

Project Division for
Plant Metabolites and Chemistry
(PlantMetaChem – PMC)

Chalcones & Dihydrochalcones



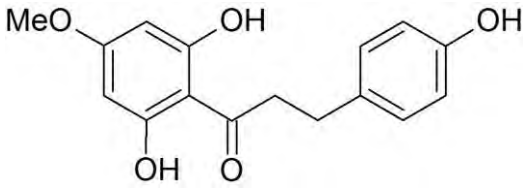
TransMIT PlantMetaChem offers various chalcones and dihydrochalcones. Our portfolio includes aglycas but also glycosylated metabolites. Chalcones are considered as obligate intermediates in flavonoid biosynthesis but they are also found as endproduct in several plants. Dihydrochalcones comprise a small group of flavonoids in which the three-carbon bridge double bond has been reduced. Many natural chalcones and dihydrochalcones has been isolated from species of the Leguminosae, Asteraceae, Moraceae and Rosaceae families. Many beneficial biological effects including anti-inflammatory, antimicrobial, antifungal, antioxidant, natural sweetener, cytotoxic, antitumor and chemopreventive activities have been assigned to chalcones and dihydrochalcones.

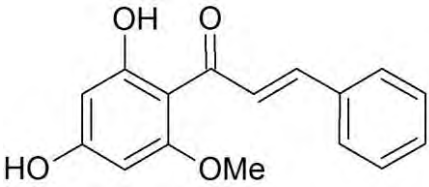
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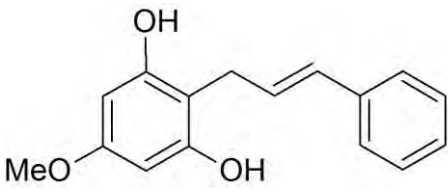
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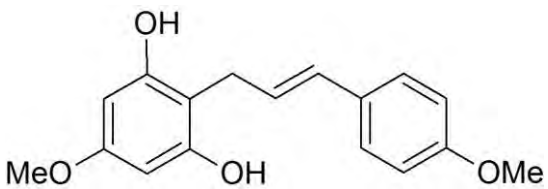
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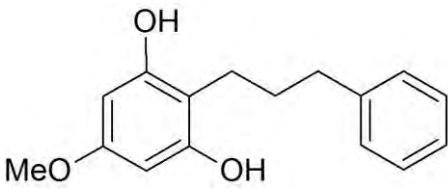
All compounds are usually available from stock and can be delivered within three working days.

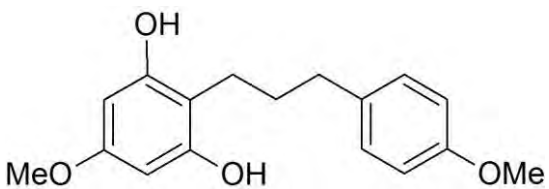
Asebogenin	Ref. No. A 020	TLC
	CAS [520-42-3] EC-No. ChEBI [2871] ChemSpider [390738] PubChem [442255]	$C_{16}H_{16}O_5$ Mw : 288,29 g/mol
	5 mg	82,00 €
	10 mg	139,00 €
	20 mg	237,00 €
	Synonyms: Phloretin 4'-methyl ether; 2',6',4'-trihydroxy-4'-methoxy dihydrochalcone	25 mg 50 mg
Origin:	<i>Pieris japonica</i>	
Appearance:	slightly yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

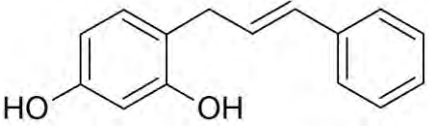
Cardamonin	Ref. No. C 032	HPLC > 98%
	CAS [19309-14-9] EC-No. ChEBI [125601] ChemSpider [557026] PubChem [641785]	$C_{16}H_{14}O_4$ Mw : 270,28 g/mol
	5 mg	139,00 €
	10 mg	236,00 €
	20 mg	402,00 €
	Synonyms: Alpinetin chalcone; 2',4'-dihydroxy-6'-methoxychalcone	25 mg 50 mg
Origin:	<i>Alpinia katsumadai</i>	
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

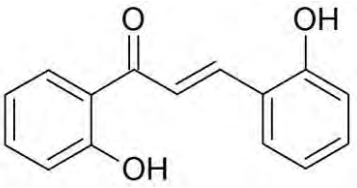
2',6'-Dihydroxy 4'-methoxychalcone	Ref. No. D 015	HPLC > 90%
	CAS [18956-15-5] EC-No. 278-629-7 ChEBI ChemSpider [4475770] PubChem [5316793]	C ₁₆ H ₁₄ O ₄ Mw : 270,28 g/mol
	5 mg	22,00 €
	10 mg	37,00 €
	20 mg	64,00 €
	Synonyms:	50 mg
	100 mg	227,00 €
Origin:	<i>Piper aduncum</i>	
Appearance:	powder	
Stability/Storage:	Store powder dry in dark at 4°C	

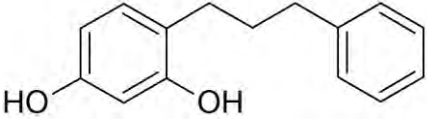
2',6'-Dihydroxy 4',4'-dimethoxychalcone	Ref. No. D 016	HPLC > 98%
	CAS [56798-34-6] EC-No. [305-324-9] ChEBI ChemSpider [4943048] PubChem [6438580]	C ₁₇ H ₁₆ O ₅ Mw : 300,32 g/mol
	5 mg	71,00 €
	10 mg	121,00 €
	20 mg	205,00 €
	Synonyms: Gymnogrammene	25 mg
	50 mg	431,00 €
Origin:	<i>Pityrogramma chrysophylla</i>	
Appearance:	White powder	
Stability/Storage:	Store powder dry in dark at 4°C	

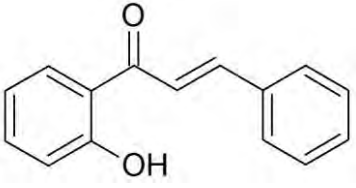
2',6'-Dihydroxy 4'-methoxydihydrochalkone	Ref. No. D 017	HPLC > 98%
	CAS [35241-55-5] EC-No. 252-459-3 ChEBI [28523] ChemSpider [148386] PubChem [169676]	$C_{16}H_{16}O_4$ Mw : 272,29 g/mol
	5 mg	26,00 €
	10 mg	44,00 €
	20 mg	75,00 €
	Synonyms:	50 mg
	100 mg	268,00 €
Origin:		
Appearance:	White powder	
Stability/Storage:	Store powder dry in dark at 4°C	

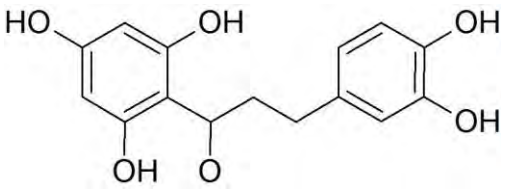
2',6'-Dihydroxy 4',4'-Dimethoxydihydrochalkone	Ref. No. D 018	HPLC > 95%
	CAS [35241-54-4] EC-No. ChEBI ChemSpider PubChem	$C_{17}H_{18}O_5$ Mw : 302,33 g/mol
	5 mg	26,00 €
	10 mg	44,00 €
	20 mg	75,00 €
	Synonyms: Calomelanen; Phloretin-4,4'-dimethylether	50 mg
	100 mg	268,00 €
Origin:	<i>Pityrogramma tartarea</i>	
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

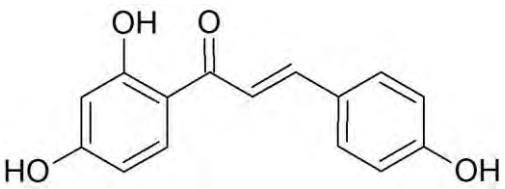
2',4'-Dihydroxychalcone	Ref. No. D 032	TLC
	CAS [1776-30-3] EC-No. ChEBI ChemSpider [4526121] PubChem [5376979]	$C_{15}H_{12}O_3$ Mw : 240,25 g/mol
	5 mg	54,00 €
	10 mg	92,00 €
	20 mg	156,00 €
	Synonyms:	50 mg
	100 mg	557,00 €
Origin:	<i>Oxytropis falcata</i>	
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

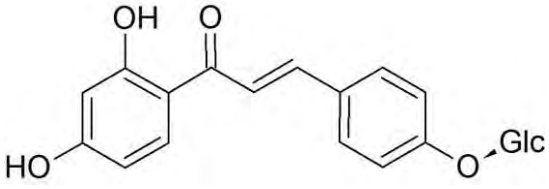
2',2-Dihydroxychalcone TLC	Ref. No. D 037	TLC
	CAS [15131-80-3] EC-No. ChEBI ChemSpider [553828] PubChem [638277]	$C_{15}H_{12}O_3$ Mw : 240,25 g/mol
	5 mg	14,00 €
	10 mg	24,00 €
	20 mg	40,00 €
	Synonyms:	50 mg
	100 mg	144,00 €
Origin:	<i>Primula denriculata</i>	
Appearance:	Yellow cristals	
Stability/Storage:	Store powder dry in dark at 4°C	

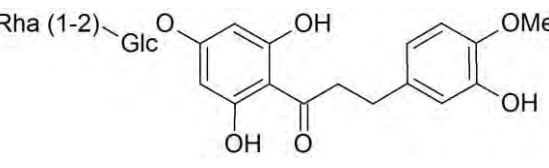
2',4' -Dihydroxydihydrochalcone	Ref. No. D 040	TLC
	CAS [53596-71-7] EC-No. ChEBI ChemSpider PubChem [586491]	$C_{14}H_{14}O_3$ Mw : 242,27 g/mol
	5 mg	43,00 €
	10 mg	73,00 €
	20 mg	124,00 €
	Synonyms:	50 mg
	100 mg	444,00 €
Origin:	<i>Corema album</i>	
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

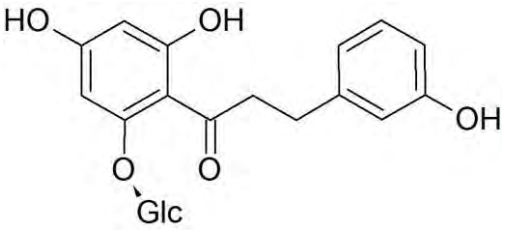
2' -Hydroxychalcone	Ref. No. H 012	TLC
	CAS [888-12-0] EC-No. [214-928-0] ChEBI [27916] ChemSpider [553827] PubChem [638276]	$C_{15}H_{12}O_2$ Mw : 224,25 g/mol
	5 mg	13,00 €
	10 mg	22,00 €
	20 mg	38,00 €
	Synonyms:	50 mg
	100 mg	134,00 €
Origin:		
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

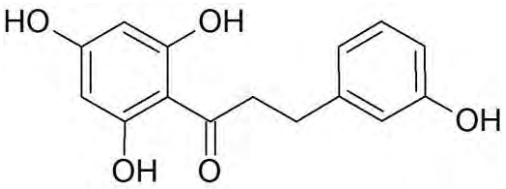
3-Hydroxyphloretin	Ref. No. H 031	HPLC > 98%
	CAS [57765-66-9] EC-No. ChEBI ChemSpider [9953627] PubChem [11778945]	$C_{15}H_{14}O_6$ Mw : 290,27 g/mol
	5 mg	107,00 €
	10 mg	182,00 €
	20 mg	310,00 €
	Synonyms: 3,4,2',4',6'-Pentahydroxy-dihydrochalcone; Eriodictyol dihydrochalcone	25 mg
	50 mg	649,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	White powder	
Stability/Storage:	Store powder dry in dark at 4°C	

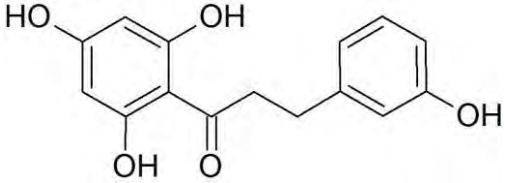
Isoliquiritigenin	Ref. No. I 008	HPLC > 98%
	CAS [961-29-5] EC-No. [237-316-5] ChEBI [310312] ChemSpider [553829] PubChem [638278]	$C_{15}H_{12}O_4$ Mw : 256,25 g/mol
	5 mg	215,00 €
	10 mg	364,00 €
	20 mg	619,00 €
	Synonyms: 6'-Deoxychalcone; 2',4,4'-Trihydroxychalcone	25 mg
	50 mg	1305,00 €
Origin:	<i>Glycyrrhiza glabra; Medicago spec.</i>	
Appearance:	Yellow to orange powder	
Stability/Storage:	Store powder dry in dark at 4°C	

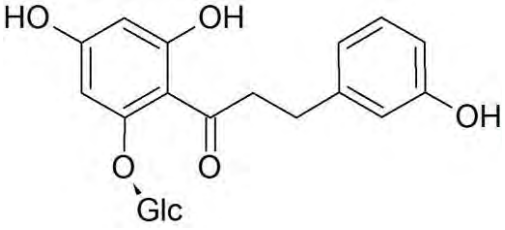
Isoliquiritin	Ref. No. I 010	HPLC > 98%
	CAS [5041-81-6] EC-No. ChEBI [80839] ChemSpider [4477128] PubChem [5318591]	$C_{21}H_{22}O_9$ Mw : 418,39 g/mol
	5 mg	111,00 €
	10 mg	188,00 €
	20 mg	320,00 €
	25 mg	396,00 €
Synonyms: Isoliquiritigenin-4- <i>O</i> -glucoside; 2',4,4'-Trihydroxychalcone 4- <i>O</i> -glucoside; Isoliquiritoside	50 mg	674,00 €
Origin:	<i>Glycyrrhiza glabra</i>	
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

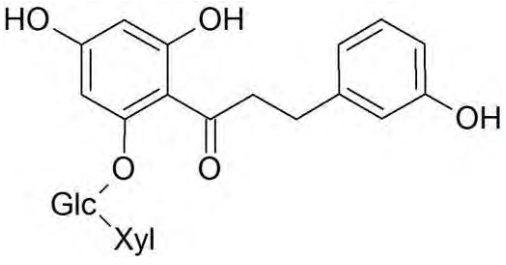
Neohesperidin dihydrochalcone	Ref. No. N 019	HPLC > 98%
	CAS [20702-77-6] EC-No. ChEBI [83535] ChemSpider [28072] PubChem [30231]	$C_{28}H_{36}O_{15}$ Mw : 612,59 g/mol
	5 mg	17,00 €
	10 mg	29,00 €
	20 mg	49,00 €
	50 mg	103,00 €
Synonyms: E 959	100 mg	175,00 €
Origin:	semi-synthetic	
Appearance:	white powder	
Stability/Storage:	Store powder dry in dark at 4°C	

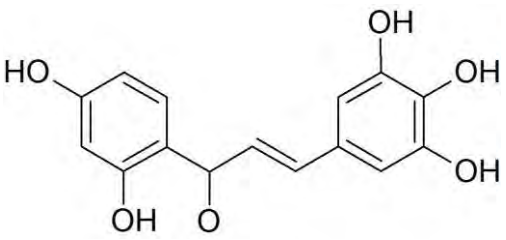
Phloridzin	Ref. No. P 012	TLC
	CAS [60-81-1] EC-No. [200-487-1] ChEBI [8113] ChemSpider [16498836] PubChem [6072]	$C_{21}H_{24}O_{10}$ Mw : 436,42 g/mol
	5 mg	13,00 €
	10 mg	22,00 €
	20 mg	38,00 €
	Synonyms: Phloretin 2'-O-β-D-glucoside	50 mg
	100 mg	134,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	Beige coloured powder	
Stability/Storage:	Store powder dry in dark at 4°C	

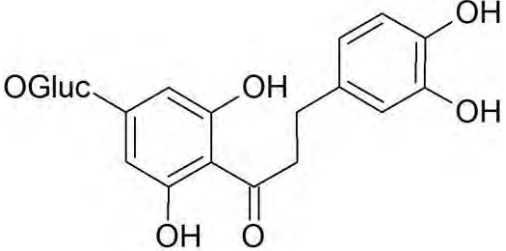
Phloretin	Ref. No. P 017	TLC
	CAS [60-82-2] EC-No. [200-488-7] ChEBI [17276] ChemSpider [4624] PubChem [4788]	$C_{15}H_{14}O_5$ Mw : 274,27 g/mol
	5 mg	11,00 €
	10 mg	19,00 €
	20 mg	32,00 €
	Synonyms: 2',4,4',6'-Tetrahydroxydihydrochalcone; Dihydronaringenin	50 mg
	100 mg	113,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	Beige coloured powder	
Stability/Storage:	Store powder dry in dark at 4°C	

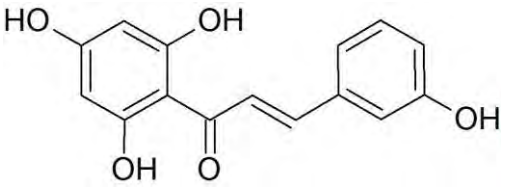
Phloretin	Ref. No. P 036	HPLC > 98%
	CAS [60-82-2] EC-No. [200-488-7] ChEBI [17276] ChemSpider [4624] PubChem [4788]	$C_{15}H_{14}O_5$ Mw : 274,27 g/mol
	5 mg	21,00 €
	10 mg	36,00 €
	20 mg	61,00 €
	Synonyms: 2',4,4',6'-Tetrahydroxydihydrochalcone; Dihydronaringenin	50 mg
	100 mg	217,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	Beige coloured powder	
Stability/Storage:	Store powder dry in dark at 4°C	

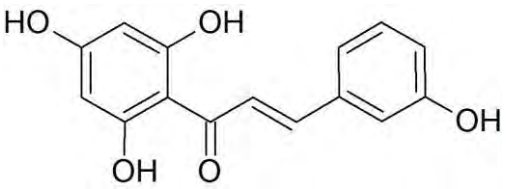
Phloridzin	Ref. No. P 037	HPLC > 98%
	CAS [60-81-1] EC-No. [200-487-1] ChEBI [8113] ChemSpider [16498836] PubChem [6072]	$C_{21}H_{24}O_{10}$ Mw : 436,42 g/mol
	5 mg	21,00 €
	10 mg	36,00 €
	20 mg	61,00 €
	Synonyms: Phloretin 2'-O-β-D-glucoside	50 mg
	100 mg	217,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	Beige coloured powder	
Stability/Storage:	Store powder dry in dark at 4°C	

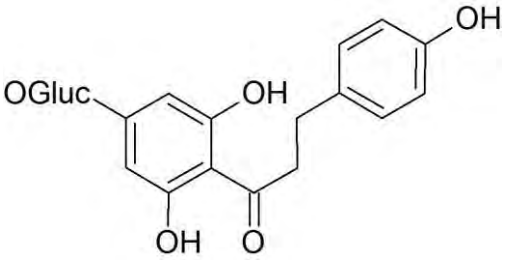
Phloretin 2'-O-xyloglucoside	Ref. No. P 064	HPLC > 98%
	CAS [145758-09-4] EC-No. ChEBI ChemSpider [392413] PubChem [102068586]	$C_{26}H_{32}O_{14}$ Mw : 568,53 g/mol
	5 mg	125,00 €
	10 mg	213,00 €
	20 mg	361,00 €
	Synonyms:	25 mg
	50 mg	759,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	White powder	
Stability/Storage:	Store powder dry in dark at 4°C	

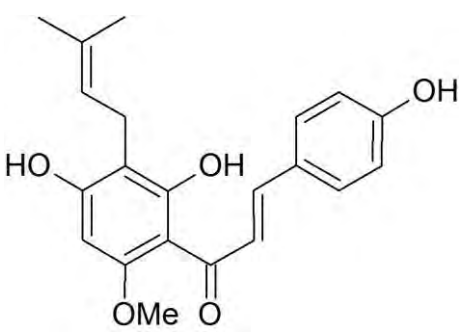
Robtein	Ref. No. R 008	HPLC > 98%
	CAS [2679-65-4] EC-No. ChEBI ChemSpider PubChem [5320470]	$C_{15}H_{12}O_6$ Mw : 288,25 g/mol
	5 mg	179,00 €
	10 mg	304,00 €
	20 mg	517,00 €
	Synonyms: 2',3,4,4',5-Pentahydroxychalcone	25 mg
	50 mg	1086,00 €
Origin:	<i>Cassia occidentalis</i>	
Appearance:	Yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

Sieboldin	Ref. No. S 025	HPLC > 99%
	CAS [18777-73-6]	C ₂₁ H ₂₄ O ₁₁
	EC-No.	Mw : 452,4 g/mol
	ChEBI	
	ChemSpider	
	PubChem [42607701]	
	5 mg	79,00 €
	10 mg	134,00 €
	20 mg	227,00 €
Synonyms: Phloretin-3-hydroxy-4'-O-glucoside	50 mg	479,00 €
	100 mg	815,00 €
Origin:	<i>Malus spec.</i>	
Appearance:	yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

Tetrahydroxychalcone	Ref. No. T 001	TLC
	CAS [73692-50-9]	C ₁₅ H ₁₂ O ₅
	EC-No.	Mw : 272,25 g/mol
	ChEBI [15413]	
	ChemSpider	
	PubChem [8790]	
	5 mg	104,00 €
	10 mg	177,00 €
	20 mg	301,00 €
Synonyms: 2',4,4',6'-Tetrahydroxychalcone; Isosalipurpol; Chalconaringenin	25 mg	371,00 €
	50 mg	631,00 €
Origin:		
Appearance:	Orange-yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

Tetrahydroxychalcone	Ref. No. T 009*	HPLC > 98%
	CAS [73692-50-9] EC-No. ChEBI [15413] ChemSpider PubChem [8790]	$C_{15}H_{12}O_5$ Mw : 272,25 g/mol
	5 mg	179,00 €
	10 mg	304,00 €
	20 mg	517,00 €
	Synonyms: 2',4,4',6'-Tetrahydroxychalcone; Isosalipurpol; Chalconaringenin	25 mg
	50 mg	1086,00 €
Origin:		
Appearance:	Orange-yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

Trilobatin	Ref. No. T 017	HPLC > 99%
	CAS [4192-90-9] EC-No. ChEBI [145829] ChemSpider [4954251] PubChem [6451798]	$C_{21}H_{24}O_{10}$ Mw : 436,42 g/mol
	5 mg	61,00 €
	10 mg	103,00 €
	20 mg	175,00 €
	Synonyms: Phloretin-4'-O-glucoside; prunin dihydrochalcone	50 mg
	100 mg	629,00 €
Origin:	<i>Malus spec.</i> ; <i>Lithocarpus pachyphyllus</i>	
Appearance:	White-cream powder	
Stability/Storage:	Store powder dry in dark at 4°C	

Xanthohumol	Ref. No. X 001	HPLC > 98%
	CAS [569-83-5] EC-No. ChEBI [66331] ChemSpider [555077] PubChem [639665]	$C_{21}H_{22}O_5$ Mw : 354,39 g/mol
	5 mg	107,00 €
	10 mg	182,00 €
	20 mg	310,00 €
Synonyms: 2',4,4'-trihydroxy-6'-methoxy-3'-prenylchalcone	25 mg	382,00 €
	50 mg	649,00 €
Origin:	<i>Humulus lupulus</i>	
Appearance:	Orange-yellow powder	
Stability/Storage:	Store powder dry in dark at 4°C	

TransMIT-Project Division for Plant Metabolites and Chemicals

Dr. Stefan Martens, Kerkrader Str. 3, 35394 Gießen, Germany
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