

GLUCOSINOLATES

BUILDING BLOCKS

CANCER RESEARCH

CROP RESEARCH

FOOD RESEARCH

The glucosinolates are a class of organic compounds that contain sulfur and nitrogen and are derived from glucose and an amino acid.

They show potential anticarcinogenic, antioxidative and Pesticidal effects (antifungal, antibacterial).

Broadband Antifungal

Antibacterial

Phytostrogene

Anticarcinogenic

Antioxidant and Immun-modelling substance

Art. No.	Glucosinolate Name	Structure
3952-98-5	Sinigrin, potassium salt Prop-2-enylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₀ H ₁₆ KNO ₉ S ₂ ·H ₂ O Molecular weight: 415,5 g/mole CAS: 3952-98-5	
19041-09-9	Gluconapin, potassium salt But-3-enylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₁ H ₁₈ KNO ₉ S ₂ ·H ₂ O Molecular weight: 429,5 g/mole CAS: 19041-09-9	
585-95-5	Progoitrin, potassium salt (2R)-2-Hydroxybut-3-enylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₁ H ₁₈ KNO ₁₀ S ₂ ·H ₂ O Molecular weight: 445,5 g/mole CAS: 585-95-5	
19237-18-4	Epiprogoitrin, potassium salt (2S)-2-Hydroxybut-3-enylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₁ H ₁₈ KNO ₁₀ S ₂ ·H ₂ O Molecular weight: 445,5 g/mole CAS: 19237-18-4	

Art. No.	Glucosinolate Name	Structure
15592-37-7	Glucoerucin, potassium salt 4-(Methylthio)butylglucosinolate, 1H ₂ O, K ⁺ salt Molecular formula: C ₁₂ H ₂₂ KNO ₉ S ₃ ,H ₂ O Molecular weight: 477,5 g/mole CAS: 15592-37-7	
554-88-1	Gluciberin, potassium salt 3-(Methylsulfinyl)propylglucosinolate, 1H ₂ O, K ⁺ salt Molecular formula: C ₁₁ H ₂₀ KNO ₁₀ S ₃ ,H ₂ O Molecular weight: 479,5 g/mole CAS: 554-88-1	
21414-41-5	Glucoraphanin, potassium salt 4-(Methylsulfinyl)butylglucosinolate, 1H ₂ O, K ⁺ salt Molecular formula: C ₁₂ H ₂₂ KNO ₁₀ S ₃ ,H ₂ O Molecular weight: 493,5 g/mole CAS: 21414-41-5	
28463-24-3	Glucoraphenin, potassium salt 4-(Methylsulfinyl)but-3-enylglucosinolate, 1H ₂ O, K ⁺ salt CAS: 28463-24-3	
15592-36-6	Glucocheirolin, potassium salt 3-(Methylsulfonyl)propylglucosinolate, 1H ₂ O, K ⁺ salt Molecular formula: C ₁₁ H ₂₀ KNO ₁₁ S ₃ ,H ₂ O Molecular weight: 495,5 g/mole CAS: 15592-36-6	
5115-71-9	Glucotropaeolin, potassium salt Benzylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₄ H ₁₈ KNO ₉ S ₂ ,H ₂ O Molecular weight: 465,5 g/mole CAS: 5115-71-9	
499-30-9	Gluconasturtiin, potassium salt Phenethylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₅ H ₂₀ KNO ₉ S ₂ ,H ₂ O Molecular weight: 479,5 g/mole CAS: 499-30-9	
30688-64-3	Glucobarbarin, potassium salt (2S)-2-Hydroxy-2-phenethylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₅ H ₂₀ KNO ₁₀ S ₂ ,H ₂ O Molecular weight: 495,5 g CAS: 30688-64-3, 73519-01-4	

Art. No.	Glucosinolate Name	Structure
19253-840	Sinalbin, potassium salt p-Hydroxybenzylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₄ H ₁₈ KNO ₁₀ S ₂ ·H ₂ O. Molecular weight: 481,5 g/mole CAS: 19253-840, 16411-05-0, 27299-07-6, 74542-19-1	
144491-25-8	Glucosibarin, potassium salt (2R)-2-Hydroxy-2-phenethylglucosinolate, H ₂ O, K ⁺ salt Molecular formula: C ₁₅ H ₂₀ KNO ₁₀ S ₂ ·H ₂ O. Molecular weight: 495,5 g/mole CAS: 144491-25-8	
7500059	Rapeseed glucosinolate mixture	Mixture of glucosinolates as occurring in oilseed rape (<i>Brassica napus</i> L.) Progoitrin, gluconapin, glucobrassicinapin, gluconapoleiferin, glucoalyssin, glucoraphanin, gluconasturtiin, 4-hydroxyglucobrassicin

	DESULFO GLUCOSINOLATES All desulfo glucosinolates corresponding to the available intact glucosinolates are available	
9025-38-1	Myrosinase Myrosinase isolated from white mustard (<i>Sinapis alba</i> L.)	