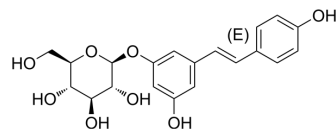


Polydatin (Standard)

Cat. No.:	HY-N0120AR
CAS No.:	27208-80-6
Molecular Formula:	C ₂₀ H ₂₂ O ₈
Molecular Weight:	390.38
Target:	Autophagy; Apoptosis; Mitophagy
Pathway:	Autophagy; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 29 mg/mL (74.29 mM)
 H₂O : 0.1 mg/mL (0.26 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	2.5616 mL	12.8080 mL	25.6161 mL
	5 mM	0.5123 mL	2.5616 mL	5.1232 mL	
	10 mM	0.2562 mL	1.2808 mL	2.5616 mL	

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Polydatin (Standard) is the analytical standard of Polydatin. This product is intended for research and analytical applications. Polydatin (Piceid), extracted from the roots of Reynoutria japonica, a widely used traditional Chinese remedies, possesses anti-inflammatory activity in several experimental models. Polydatin (Piceid) inhibits G6PD and induces oxidative and ER stresses.

CUSTOMER VALIDATION

- Int J Mol Sci. 2023 May 5, 24(9), 8265.
- J Ethnopharmacol. 2021 Jul 31;114479.
- ACS Chem Neurosci. 2023 Feb 20.
- Virology. 2023 Jun 21.

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- Neurotox Res. 20 August 2022.

See more customer validations on www.MedChemExpress.com

Caution: Product has not been fully validated for medical applications. For research use only.

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