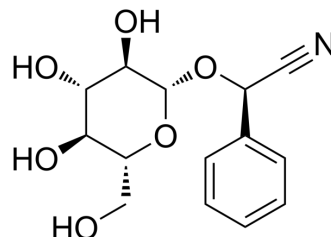


Prunasin

Cat. No.:	HY-N1548
CAS No.:	99-18-3
Molecular Formula:	C ₁₄ H ₁₇ NO ₆
Molecular Weight:	295.29
Target:	DNA/RNA Synthesis
Pathway:	Cell Cycle/DNA Damage
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro

H₂O : ≥ 50 mg/mL (169.33 mM)
* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.3865 mL	16.9325 mL	33.8650 mL
	5 mM		0.6773 mL	3.3865 mL	6.7730 mL
	10 mM		0.3387 mL	1.6933 mL	3.3865 mL

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

BIOLOGICAL ACTIVITY

Description

Prunasin is a inhibitor of DNA Polymerase β^[1].

REFERENCES

[1]. Mizushima Y, et al. The cyanogenic glucoside, prunasin (D-mandelonitrile-beta-D-glucoside), is a novel inhibitor of DNA polymerase beta. J Biochem. 1999;126(2):430-436.

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

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