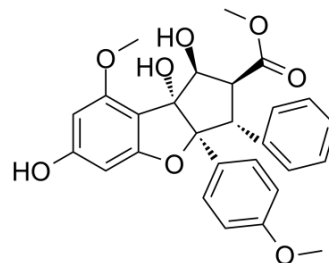


Silvestrol aglycone (enantiomer)

Cat. No.:	HY-13250B		
CAS No.:	1112993-18-6		
Molecular Formula:	C ₂₇ H ₂₆ O ₈		
Molecular Weight:	478.49		
Target:	Others		
Pathway:	Others		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 114 mg/mL (238.25 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.0899 mL	10.4495 mL	20.8991 mL
	5 mM	0.4180 mL	2.0899 mL	4.1798 mL
	10 mM	0.2090 mL	1.0450 mL	2.0899 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 7.5 mg/mL (15.67 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 7.5 mg/mL (15.67 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 7.5 mg/mL (15.67 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Silvestrol aglycone enantiomer is a cyclopenta benzofuran core phenol^[1].

REFERENCES

[1]. Adams TE, et al. Total synthesis of the potent anticancer Aglaia metabolites (-)-silvestrol and (-)-episilvestrol and the active analogue (-)-4'-desmethoxyepisilvestrol. J Am Chem Soc. 2009 Feb 4;131(4):1607-16.

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

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