Valpromide

Cat. No.: HY-B2117

CAS No.: 2430-27-5

Molecular Formula: $C_8H_{17}NO$

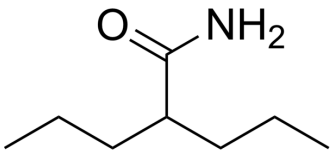
Molecular Weight: 143.23

Target: HSV; Epoxide Hydrolase

Pathway: Anti-infection; Metabolic Enzyme/Protease

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 50 mg/mL (349.09 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Solvent / Mass / Concentration	1 mg	5 mg	10 mg
1 mM	6.9818 mL	34.9089 mL	69.8178 mL
5 mM	1.3964 mL	6.9818 mL	13.9636 mL
10 mM	0.6982 mL	3.4909 mL	6.9818 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (17.45 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.5 mg/mL (17.45 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (17.45 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Valpromide is an amide derivative of valproic acid and inhibits human epoxide hydrolase.

IC_{50} & Target

epoxide hydrolase[1]

REFERENCES

[1]. Pacifici GM, et al. Valpromide inhibits human epoxide hydrolase. Br J Clin Pharmacol. 1986 Sep;22(3):269-74.

[2]. Gorres KL, et al. Valpromide Inhibits Lytic Cycle Reactivation of Epstein-Barr Virus. MBio. 2016 Mar 1;7(2):e00113.

Tel: 609-228-6898 Fax: 609-228-5909 E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA