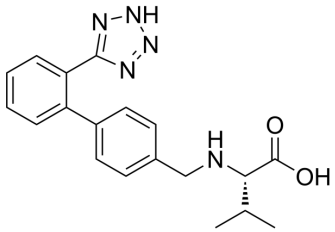
Devaleryl Valsartan Impurity

Cat. No.:	HY-131280
CAS No.:	676129-92-3
Molecular Formula:	$C_{19}H_{21}N_5O_2$
Molecular Weight:	351.4
Target:	Drug Metabolite
Pathway:	Metabolic Enzyme/Protease
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 : 250 mg/mL (711.44 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.8458 mL	14.2288 mL	28.4576 mL
	5 mM	0.5692 mL	2.8458 mL	5.6915 mL
	10 mM	0.2846 mL	1.4229 mL	2.8458 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: ≥ 2.08 mg/mL (5.92 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: ≥ 2.08 mg/mL (5.92 mM); Clear solution
3. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.08 mg/mL (5.92 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Devaleryl Valsartan Impurity is an intermediate in the synthesis of Valsartan[1].

REFERENCES

[1]. A Sampath, et al. Identification and characterization of potential impurities of valsartan, AT1 receptor antagonist. J Pharm Biomed Anal. 2009 Oct 15;50(3):405-12.

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