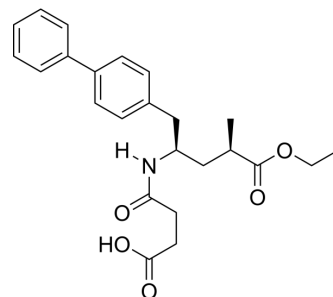


2R,4R-Sacubitril

Cat. No.:	HY-78846		
CAS No.:	766480-48-2		
Molecular Formula:	C ₂₄ H ₂₉ NO ₅		
Molecular Weight:	411.49		
Target:	Drug Metabolite		
Pathway:	Metabolic Enzyme/Protease		
Storage:	Pure form	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 100 mg/mL (243.02 mM; Need ultrasonic)

Concentration	Solvent	Mass		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	2.4302 mL	12.1510 mL	24.3019 mL
	5 mM	0.4860 mL	2.4302 mL	4.8604 mL
	10 mM	0.2430 mL	1.2151 mL	2.4302 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: ≥ 2.5 mg/mL (6.08 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.08 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.08 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

2R,4R-Sacubitril is the impurity of Sacubitril. Sacubitril is approved by the Food and agent Administration for use in combination with valsartan for the treatment of patients with heart failure.

REFERENCES

[1]. Shi J, et al. Sacubitril Is Selectively Activated by Carboxylesterase 1 (CES1) in the Liver and the Activation Is Affected by CES1 Genetic Variation. Drug Metab Dispos. 2016 Apr;44(4):554-9.

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

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