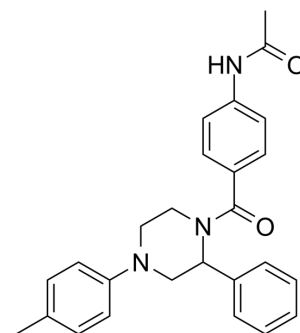


SBC-110736

Cat. No.:	HY-101832		
CAS No.:	1629166-02-4		
Molecular Formula:	C ₂₆ H ₂₇ N ₃ O ₂		
Molecular Weight:	413.51		
Target:	Ser/Thr Protease		
Pathway:	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 : ≥ 100 mg/mL (241.83 mM)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	2.4183 mL	12.0916 mL	24.1832 mL
	5 mM	0.4837 mL	2.4183 mL	4.8366 mL
	10 mM	0.2418 mL	1.2092 mL	2.4183 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 (6.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (6.05 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (6.05 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

SBC-110736 is a proprotein convertase subtilisin kexin type 9 (PCSK9) inhibitor extracted from patent WO2014150395A1, Figure 1.

In Vivo

SBC-110736 (male C57BL/6 mice) lowers cholesterol levels in mice that were fed high fat diet, showing a mean of 38% reduction in total cholesterol levels after two weeks relative to high fat diet animal levels and a mean 50% reduction toward return to regular diet cholesterol levels^[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

CUSTOMER VALIDATION

- Acta Pharm Sin. 2020 Aug;41(8):1085-1092.

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REFERENCES

[1]. Sherin Salaheldin Abdel-Meguid, et al. Anti-pcsk9 compounds and methods for the treatment and/or prevention of cardiovascular diseases. WO2014150395A1.

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

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