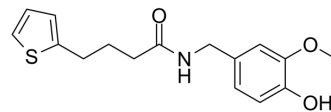


MSP-3

Cat. No.:	HY-118785		
CAS No.:	1820968-63-5		
Molecular Formula:	C ₁₆ H ₁₉ NO ₃ S		
Molecular Weight:	305.39		
Target:	TRP Channel		
Pathway:	Membrane Transporter/Ion Channel; Neuronal Signaling		
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 (327.45 mM; Need ultrasonic)

Solvent	Mass	Concentration		
		1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM	3.2745 mL	16.3725 mL	32.7450 mL
	5 mM	0.6549 mL	3.2745 mL	6.5490 mL
	10 mM	0.3275 mL	1.6373 mL	3.2745 mL

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

BIOLOGICAL ACTIVITY

Description

MSP-3 is a potent TRPV1 agonist, with an EC₅₀ of 0.87 μM. MSP-3 exhibits neuroprotective and antinociceptive effects^[1].

IC₅₀ & Target

TRPV1
0.87 μM (EC₅₀)

REFERENCES

[1]. Aiello F, et, al. Design and Synthesis of New Transient Receptor Potential Vanilloid Type-1 (TRPV1) Channel Modulators: Identification, Molecular Modeling Analysis, and Pharmacological Characterization of the N-(4-Hydroxy-3-methoxybenzyl)-4-(thiophen-2-yl)

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

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