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Produktinformation



Forschungsprodukte & Biochemikalien



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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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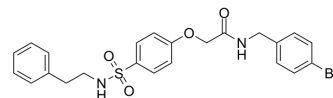
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SMS1-IN-1

Cat. No.:	HY-135642
CAS No.:	1807943-38-9
Molecular Formula:	C ₂₃ H ₂₃ BrN ₂ O ₄ S
Molecular Weight:	503.41
Target:	Others
Pathway:	Others
Storage:	4°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



SOLVENT & SOLUBILITY

In Vitro	DMSO : 250 mg/mL (496.61 mM; Need ultrasonic)					
	Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
		1 mM	1.9865 mL	9.9323 mL	19.8645 mL	
		5 mM	0.3973 mL	1.9865 mL	3.9729 mL	
		10 mM	0.1986 mL	0.9932 mL	1.9865 mL	
Please refer to the solubility information to select the appropriate solvent.						

BIOLOGICAL ACTIVITY

Description	SMS1-IN-1, compound SAPA 1j, is a novel and the most potent sphingomyelin synthase 1 (SMS1) inhibitor with an IC ₅₀ value of 2.1 μM. SMS1-IN-1 has the potential for the treatment of atherosclerosis ^[1] .
IC ₅₀ & Target	IC ₅₀ : 2.1 μM (SMS1) ^[1]
In Vitro	SMS1-IN-1 (2.5, 10 and 50 μM) has a dose-dependent inhibitory effect against SMS1, and is against SMS1 with an IC ₅₀ value of 2.1 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Li YL, et al. Discovery, synthesis and biological evaluation of 2-(4-(N-phenethylsulfamoyl)phenoxy)acetamides (SAPAs) as novel sphingomyelin synthase 1 inhibitors. *Bioorg Med Chem*. 2015 Sep 15;23(18):6173-84.

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

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