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Produktinformation

- Forschungsprodukte & Biochemikalien
- Zellkultur & Verbrauchsmaterial
- Diagnostik & molekulare Diagnostik
- Laborgeräte & Service

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See the following pages for more information!

Lieferung & Zahlungsart

siehe unsere Liefer- und Versandbedingungen

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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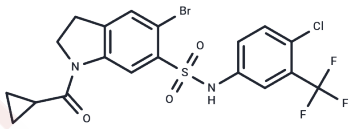
Data Sheet (Cat.No.T8946)

TargetMol

Indophagolin

Chemical Properties



CAS No. : 1207660-00-1

Formula: C19H15BrClF3N2O3S

Molecular Weight: 523.75

Appearance: no data available

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Biological Description

Description	Indophagolin is a potent, indoline-containing autophagy inhibitor with IC50 of 140 nM. Indophagolin antagonizes the purinergic receptor P2X4 as well as P2X1 and P2X3 with IC50s of 2.71, 2.40 and 3.49 μM, respectively.
Targets(IC50)	P2X Receptor,5-HT Receptor,Autophagy
In vitro	Indophagolin (10 μM) inhibits autophagosome formation in MCF7 cells.Indophagolin also antagonizes the Gq-protein-coupled P2Y4, P2Y6, and P2Y11 receptors (IC50s =3.4~15.4 μM). Indophagolin has a strong antagonistic effect on serotonin receptor 5-HT6 (IC50=1.0 μM) and a moderate effect on receptors 5-HT1B, 5-HT2B, 5-HT4e, and 5-HT7.

Solubility Information

Solubility	DMSO: 25 mg/mL (47.73 mM), (< 1 mg/ml refers to the product slightly soluble or insoluble)

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	1.9093 mL	9.5465 mL	19.0931 mL
5 mM	0.3819 mL	1.9093 mL	3.8186 mL
10 mM	0.1909 mL	0.9547 mL	1.9093 mL
50 mM	0.0382 mL	0.1909 mL	0.3819 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Reference

Carnero Corrales MA, et al. Thermal proteome profiling identifies the membrane-bound purinergic receptor P2X4 as a target of the autophagy inhibitor indophagolin [published online ahead of print, 2021 Mar 9]. Cell Chem Biol.

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