



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

Weitere Information auf den folgenden Seiten!
See the following pages for more information!



Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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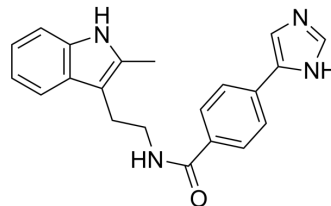
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TG8-260

Cat. No.:	HY-164049		
CAS No.:	2490544-50-6		
Molecular Formula:	C ₂₁ H ₂₀ N ₄ O		
Molecular Weight:	344.41		
Target:	Prostaglandin Receptor		
Pathway:	GPCR/G Protein		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (362.94 mM; Need ultrasonic)

Concentration	Mass		
	1 mg	5 mg	10 mg
1 mM	2.9035 mL	14.5176 mL	29.0352 mL
5 mM	0.5807 mL	2.9035 mL	5.8070 mL
10 mM	0.2904 mL	1.4518 mL	2.9035 mL

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

BIOLOGICAL ACTIVITY

Description

TG8-260 is a second-generation EP2 antagonist developed to alleviate the pathology of central nervous system and peripheral diseases driven by inflammation. TG8-260 can reduce neuroinflammation and gliosis in the hippocampus of rats after pilocarpine-induced persistent epileptic status. Pharmacokinetic data of TG8-260 showed that its plasma half-life was 2.14 hours and its oral bioavailability was 77.3%. TG8-260 is also a potent inhibitor of CYP450 and shows antagonistic activity in inhibiting EP2 receptor-mediated inflammatory gene expression in BV2-hEP2 microglia, which is suitable for studying anti-inflammatory pathways in animal models of peripheral inflammatory diseases^[1].

IC₅₀ & Target

EP2^[1]

REFERENCES

[1]. Amaradhi R, Mohammed S, Banik A, et al. Second-generation prostaglandin receptor EP2 antagonist, TG8-260, with high potency, selectivity, oral bioavailability, and anti-inflammatory properties[J]. ACS Pharmacology & Translational Science, 2022, 5(2): 118-133.

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

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