



SZABO SCANDIC

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Produktinformation



Forschungsprodukte & Biochemikalien



Zellkultur & Verbrauchsmaterial



Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

siehe unsere [Liefer- und Versandbedingungen](#)

Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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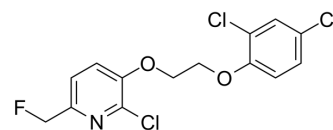
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CYM50260

Cat. No.:	HY-108494
CAS No.:	1355026-60-6
Molecular Formula:	C ₁₄ H ₁₁ Cl ₃ FNO ₂
Molecular Weight:	350.6
Target:	LPL Receptor
Pathway:	GPCR/G Protein
Storage:	Powder -20°C 3 years In solvent -80°C 6 months -20°C 1 month



SOLVENT & SOLUBILITY

In Vitro

DMSO : 125 mg/mL (356.53 mM; Need ultrasonic)

	Solvent Concentration	Mass	1 mg	5 mg	10 mg
Preparing Stock Solutions	1 mM		2.8523 mL	14.2613 mL	28.5225 mL
	5 mM		0.5705 mL	2.8523 mL	5.7045 mL
	10 mM		0.2852 mL	1.4261 mL	2.8523 mL

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

BIOLOGICAL ACTIVITY

Description	CYM50260 is a potent and exquisitely selective sphingosine-1-phosphate 4 receptor (S1P ₄ -R) agonist with an EC ₅₀ of 45 nM. CYM50260 displays no activity against S1P ₁ -R, S1P ₂ -R, S1P ₃ -R and S1P ₅ -R ^[1] .
IC ₅₀ & Target	EC ₅₀ : 45 nM (S1P ₄ -R) ^[1]
In Vitro	CYM50260 (Compound 22aa) is a synthetic S1P₄-R agonist. CYM50260 is found 3.5-fold more potent than the hit compound (HTS-hit)^[1]. CYM50260 suppresses the collagen-stimulated platelet aggregation, PDGF-AB secretion and sCD40L release. CYM50260 reduces the release of phosphorylated-HSP27 by collagen as well as the phosphorylation of HSP27^[2]. MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Guerrero M, et al. Discovery, design and synthesis of novel potent and selective sphingosine-1-phosphate 4 receptor (S1P₄-R) agonists. Bioorg Med Chem Lett. 2012 Jan 1;22(1):537-42.

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

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