(R)-ZINC-3573

Cat. No.: HY-118069

CAS No.: 2089389-15-9

Molecular Formula: $C_{18}H_{21}N_5$

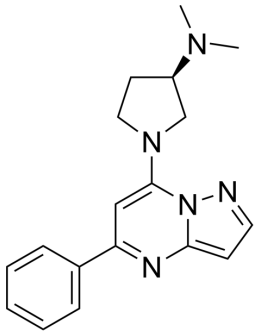
Molecular Weight: 307.39

Target: Mas-related G-protein-coupled Receptor (MRGPR)

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 : 50 mg/mL (162.66 mM; ultrasonic and warming and heat to 60°C)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	3.2532 mL	16.2660 mL	32.5320 mL
	5 mM	0.6506 mL	3.2532 mL	6.5064 mL
	10 mM	0.3253 mL	1.6266 mL	3.2532 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 90% corn oil
   Solubility: ≥ 2.5 mg/mL (8.13 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

(R)-ZINC-3573 is a selective Mas-related G protein-coupled receptor X2 (MRGPRX2) agonist with an EC_{50} value of 740 nM. (R)-ZINC-3573 can be used as a MRGPRX2 probe for the research of pain and itch[1].

In Vitro

(R)-ZINC-3573 (0.001 nM-100 μM) promotes β-hexosaminidase degranulation and induces intracellular calcium release in LAD2 mast cells[1].

MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Lansu K, et al. In silico design of novel probes for the atypical opioid receptor MRGPRX2. Nat Chem Biol. 2017 May;13(5):529-536.

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