(R)-Irsenontrine

Cat. No.: HY-132821B

CAS No.: 1429509-81-8

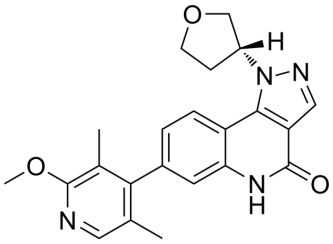
Molecular Formula: $C_{22}H_{22}N_4O_3$

Molecular Weight: 390.44

Target: Phosphodiesterase (PDE)

Pathway: Metabolic Enzyme/Protease

Storage: 4°C, sealed storage, away from moisture and light
* In solvent : -80°C, 6 months; -20°C, 1 month (sealed storage, away from moisture and light)



SOLVENT & SOLUBILITY

In Vitro

DMSO : 25 mg/mL (64.03 mM; Need ultrasonic)

Preparing Stock Solutions	Mass / Solvent / Concentration	1 mg	5 mg	10 mg
	1 mM	2.5612 mL	12.8061 mL	25.6121 mL
	5 mM	0.5122 mL	2.5612 mL	5.1224 mL
	10 mM	0.2561 mL	1.2806 mL	2.5612 mL

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

BIOLOGICAL ACTIVITY

Description

(R)-Irsenontrine ((R)-E2027), the R-enantiomer of Irsenontrine (HY-132821), is a potent phosphodiesterase 9 (PDE9) inhibitor with an IC_{50} value of 0.041 μM. (R)-Irsenontrine can be used for the research of neurological diseases[1].

IC_{50} & Target

PDE9
0.041 μM (IC_{50})

REFERENCES

[1]. Yoshihiko N, et, al. Pyrazoloquinoline derivative. WO2013051639A1.

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

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