(Rac)-ABT-202 dihydrochloride

Cat. No.: HY-124540B

CAS No.: 1258641-38-1

Molecular Formula: $C_9H_{15}Cl_2N_3$

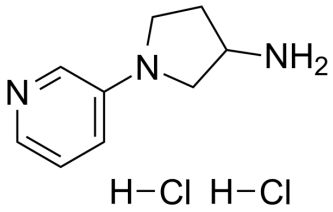
Molecular Weight: 236.14

Target: nAChR

Pathway: Membrane Transporter/Ion Channel; Neuronal Signaling

Storage: 4°C, sealed storage, away from moisture

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



SOLVENT & SOLUBILITY

In Vitro

DMSO : 33.33 mg/mL (141.15 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent / Mass / Concentration	1 mg	5 mg	10 mg
	1 mM	4.2348 mL	21.1739 mL	42.3478 mL
	5 mM	0.8470 mL	4.2348 mL	8.4696 mL
	10 mM	0.4235 mL	2.1174 mL	4.2348 mL

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

In Vivo

1. Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
   Solubility: ≥ 2.5 mg/mL (10.59 mM); Clear solution
2. Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
   Solubility: 2.5 mg/mL (10.59 mM); Suspended solution; Need ultrasonic

BIOLOGICAL ACTIVITY

Description

(Rac)-ABT-202 dihydrochloride is a racemate of ABT-202. ABT-202 is an agonist of nicotinic acetylcholine receptors (nAChRs) and can be used as an analgesic[1].

REFERENCES

[1]. Jain KK. Modulators of nicotinic acetylcholine receptors as analgesics. Curr Opin Investig Drugs. 2004 Jan;5(1):76-81.

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

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