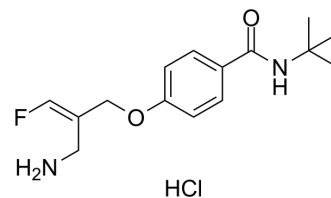


PXS-4728A

Cat. No.:	HY-112726
CAS No.:	1478364-68-9
Molecular Formula:	C ₁₅ H ₂₂ ClFN ₂ O ₂
Molecular Weight:	316.8
Target:	Monoamine Oxidase
Pathway:	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 : 250 mg/mL (789.14 mM; Need ultrasonic)
H₂O : 100 mg/mL (315.66 mM; Need ultrasonic)

Preparing Stock Solutions	Solvent Concentration	Mass		
		1 mg	5 mg	10 mg
	1 mM	3.1566 mL	15.7828 mL	31.5657 mL
	5 mM	0.6313 mL	3.1566 mL	6.3131 mL
	10 mM	0.3157 mL	1.5783 mL	3.1566 mL

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

In Vivo

- Add each solvent one by one: PBS
Solubility: 25 mg/mL (78.91 mM); Clear solution; Need ultrasonic and warming
- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.08 mg/mL (6.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.08 mg/mL (6.57 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.08 mg/mL (6.57 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

PXS-4728A (BI-1467335) is a selective, orally active inhibitor of semicarbazide-sensitive amine oxidase (SSAO). PXS-4728A ameliorates chronic obstructive pulmonary disease in mice^[1].

IC₅₀ & Target

SSAO^[1]

REFERENCES

[1]. A G Jarnicki, et al. The Inhibitor of Semicarbazide-Sensitive Amine Oxidase, PXS-4728A, Ameliorates Key Features of Chronic Obstructive Pulmonary Disease in a Mouse Model. Br J Pharmacol. 2016 Nov;173(22):3161-3175.

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

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