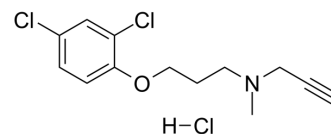


Clorgyline hydrochloride

Cat. No.:	HY-14197A
CAS No.:	17780-75-5
Molecular Formula:	C ₁₃ H ₁₆ Cl ₃ NO
Molecular Weight:	308.63
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 : ≥ 100 mg/mL (324.01 mM)
 H₂O : 100 mg/mL (324.01 mM; Need ultrasonic)
 * "≥" means soluble, but saturation unknown.

Preparing Stock Solutions	Solvent Concentration	Mass	1 mg	5 mg	10 mg
	1 mM		3.2401 mL	16.2006 mL	32.4013 mL
	5 mM		0.6480 mL	3.2401 mL	6.4803 mL
	10 mM		0.3240 mL	1.6201 mL	3.2401 mL

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

In Vivo

- Add each solvent one by one: 10% DMSO >> 40% PEG300 >> 5% Tween-80 >> 45% saline
Solubility: ≥ 2.5 mg/mL (8.10 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% (20% SBE-β-CD in saline)
Solubility: ≥ 2.5 mg/mL (8.10 mM); Clear solution
- Add each solvent one by one: 10% DMSO >> 90% corn oil
Solubility: ≥ 2.5 mg/mL (8.10 mM); Clear solution

BIOLOGICAL ACTIVITY

Description

Clorgyline hydrochloride is an irreversible and selective inhibitor of monoamine oxidase A (MAO-A) that is used in scientific research; structurally related to Pargyline.

CUSTOMER VALIDATION

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- Cell Rep. 2022 Dec 13;41(11):111827.
 - FASEB J. 2021 Jun;35(6):e21652.
 - Biochem Biophys Res Commun. 2022 May 28;606:135-141.

See more customer validations on www.MedChemExpress.com

REFERENCES

[1]. Murphy DL, et al. Differential trace amine alterations in individuals receiving acetylenic inhibitors of MAO-A (clorgyline) or MAO-B (selegiline and pargyline). Journal of neural transmission. Supplementum 52: 39-48.

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

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