Data Sheet (Cat.No.T29989)

TargetMol

Aminoquinol

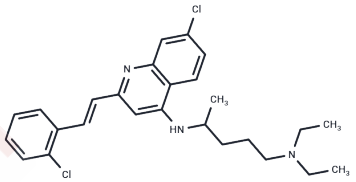
Chemical Properties

CAS No. : 529507-84-4

Formula: C26H31Cl2N3

Molecular Weight: 456.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year
Actual storage temperature shall be subject to the COA.



Biological Description

Description	Aminoquinol is a biochemical.
Targets(IC50)	Others,GDNF

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.1908 mL	10.9541 mL	21.9082 mL
5 mM	0.4382 mL	2.1908 mL	4.3816 mL
10 mM	0.2191 mL	1.0954 mL	2.1908 mL
50 mM	0.0438 mL	0.2191 mL	0.4382 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Reference

Shepard EM, Dooley DM. Inhibition and oxygen activation in copper amine oxidases. Acc Chem Res. 2015 May 19; 48(5):1218-26. doi: 10.1021/ar500460z. Epub 2015 Apr 21. Review. PubMed PMID: 25897668.

Johnson BJ, Yukl ET, Klema VJ, Klinman JP, Wilmot CM. Structural snapshots from the oxidative half-reaction of a copper amine oxidase: implications for O2 activation. J Biol Chem. 2013 Sep 27;288(39):28409-17. doi: 10.1074 /jbc.M113.501791. Epub 2013 Aug 12. PubMed PMID: 23940035; PubMed Central PMCID: PMC3784758.

Klema VJ, Solheid CJ, Klinman JP, Wilmot CM. Structural analysis of aliphatic versus aromatic substrate specificity in a copper amine oxidase from Hansenula polymorpha. Biochemistry. 2013 Apr 2;52(13):2291-301. doi: 10.1021 /bi3016845. Epub 2013 Mar 22. PubMed PMID: 23452079; PubMed Central PMCID: PMC3633420.

Shepard EM, Okonski KM, Dooley DM. Kinetics and spectroscopic evidence that the Cu(I)-semiquinone intermediate reduces molecular oxygen in the oxidative half-reaction of Arthrobacter globiformis amine oxidase. Biochemistry. 2008 Dec 30;47(52):13907-20. doi: 10.1021/bi8011516. PubMed PMID: 19053231; PubMed Central PMCID: PMC2757038.