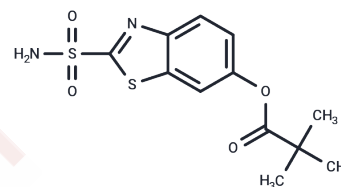


L 645151

Chemical Properties

CAS No. : 86394-94-7
 Formula: C₁₂H₁₄N₂O₄S₂
 Molecular Weight: 314.38
 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	L 645151 is an inhibitor of lipophilic CA.
Targets(IC50)	Others,Carbonic Anhydrase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.1809 mL	15.9043 mL	31.8086 mL
5 mM	0.6362 mL	3.1809 mL	6.3617 mL
10 mM	0.3181 mL	1.5904 mL	3.1809 mL
50 mM	0.0636 mL	0.3181 mL	0.6362 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

- Wetzel P, Kleinke T, Papadopoulos S, Gros G. Inhibition of muscle carbonic anhydrase slows the Ca(2+) transient in rat skeletal muscle fibers. *Am J Physiol Cell Physiol.* 2002 Oct;283(4):C1242-53. PubMed PMID: 12225987.
- Wetzel P, Papadopoulos S, Gros G. Inhibition of muscle carbonic anhydrase increases rise and relaxation times of twitches in rat skeletal muscle fibres. *Pflugers Arch.* 2002 Mar;443(5-6):762-70. Epub 2002 Jan 22. PubMed PMID: 11889574.
- Woltersdorf OW Jr, Schwam H, Bicking JB, Brown SL, deSolms SJ, Fishman DR, Graham SL, Gautheron PD, Hoffman JM, Larson RD, et al. Topically active carbonic anhydrase inhibitors. 1. O-acyl derivatives of 6-hydroxybenzothiazole-2-sulfonamide. *J Med Chem.* 1989 Nov;32(11):2486-92. PubMed PMID: 2810337.
- Bar-Ilan A, Pessah NI, Maren TH. Ocular penetration and hypotensive activity of the topically applied carbonic anhydrase inhibitor L-645,151. *J Ocul Pharmacol.* 1986 Spring;2(2):109-20. PubMed PMID: 3503100.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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