

Product Data Sheet

Product Name: Ethyl 2-amino-6-benzyl-4,5,6,7-tetrahydrothieno [2,3-c]pyridine-3-carboxylate
Cat. No.: GD12636

Chemical Properties

Cas. No. 24237-54-5

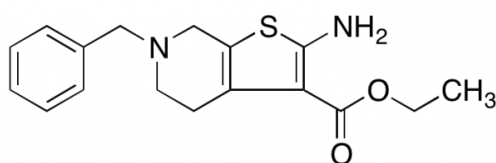
Formula M.Wt

Solubility DMSO : 125 mg/mL (395.04 mM; Need ultrasonic) Storage Store at room temperature

General tips For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Condition Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice upon request.

Structure



Background

Tinoridine (Y-3642) is an orally active non-steroidal anti-inflammatory agent with potent antiperoxidative ability and radical scavenger activity. Tinoridine acts function by inhibiting COX enzyme, involves in hepatotoxicity inhibition. .

Tinoridine (10-100 渭M) exerts effect on stability of rat liver and kidney lysosomes, and liver parenchymal cells^[3].

Tinoridine (1, 10, and 100 渭M; 30 min) inhibits spontaneous release of acid phosphatase from liver lysosomes in vitro^[3].

Tinoridine (100 mg/kg; p.o.; single dose) inhibits CCl₄ hepatotoxicity in rats, with a strong control of the CCl₄-induced enzyme activities^[2].

Tinoridine (100 mg/kg; i.p.; single dose) protects the stability of rat liver and kidney lysosomes in vivo^[3].

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

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- [1]. da Cruz RMD, et al. Thiophene-Based Compounds with Potential Anti-Inflammatory Activity. Pharmaceuticals (Basel). 2021 Jul 19;14(7):692.
- [2]. Yasuda H, et al. The protective effect of tinoridine against carbon tetrachloride hepatotoxicity. Toxicol Appl Pharmacol. 1980 Mar 15;52(3):407-13.
- [3]. Goto K, et al. Effect of tinoridine on stability of rat liver and kidney lysosomes, and liver parenchymal cells. Biochem Pharmacol. 1977 Jan 1;26(1):11-8.

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