
Product Data Sheet

Product Name: Fenspiride Hydrochloride

Cat. No.: GC31750

Chemical Properties

Cas. No. 5053-08-7

SMILES O=C1OC2(CCN(CCC3=CC=CC=C3)CC2)CN1.[H]ClFormula $C_{15}H_{21}ClN_2O_2$

M.Wt 296.79

Solubility Water : 50 mg/mL (168.47 mM; Need ultrasonic); DMSO :
33.33 mg/mL (112.30 mM; Need ultrasonic)Store
Storage at -
20°C

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**

Fenspiride Hcl is an α adrenergic and H1 histamine receptor antagonist. IC50 value: Target: Adrenergic receptor; H1 receptor. Fenspiride hydrochloride is a bronchodilator with anti-inflammatory properties. Fenspiride hydrochloride inhibits mucus secretion and reduces the release of tachykinins at a prejunctional level. Fenspiride hydrochloride also may be an antagonist at α adrenergic and H1 histamine receptors.

[1]. Lebedenko AA, Mal'tsev SV. .[The efficacy of application of fenspiride (erespal) for the treatment of exacerbation of bronchial asthma in children.] Vestn Otorinolaringol. 2011;(4):66-67. [2]. Khawaja AM, Liu YC, Rogers DF. et al. Effect of fenspiride, a non-steroidal antiinflammatory agent, on neurogenic mucus secretion in ferret trachea in vitro. Pulm Pharmacol Ther. 1999;12(6):363-8. [3]. Zielnik-Jurkiewicz B, Jurkiewicz D. et al. Usefulness of fenspiride in the treatment of acute otitis media in children. Pol Merkur Lekarski. 2005 Jun;18(108):624-8. [4]. Bee D, Laude EA, Emery CJ, Howard P. Effect of fenspiride on pulmonary function in the rat and guinea pig. Clin Sci (Lond). 1995

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

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Mar;88(3):325-30. [5]. Fenspiride

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