
Product Data Sheet

Product Name: ZK-90055 hydrochloride

Cat. No.: GC32034

Chemical Properties

Cas. No. 84638-81-3

SMILES O=C(C(N1)=CC2=C1C(O)=CC=C2C(O)CNC(C)(C)C)OC.[H]ClFormula $C_{16}H_{23}ClN_2O_4$ M.Wt 342.82

Solubility Soluble in DMSO Storage Store 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**

ZK-90055 hydrochloride is a β_2 adrenergic receptor agonist.

Contrasting a pro-drug, a soft-drug is active per se when given locally but is rapidly inactivated when it reaches the general circulation. Thus, a long duration of action at a minimum of systemic side effects may be achieved after inhalation of a h_2 -agonist designed in this way. One such example is ZK-90055, an indol derivative with a hydrolysable ester bond on the ring system. The development of ZK-90055 is stopped before clinical trials are commenced[2].

[1]. Waldeck B, et al. beta-Adrenoceptor agonists after terbutaline. Pharmacol Toxicol. 1995;77 Suppl 3:25-9. [2]. Waldeck B, et al. Beta-adrenoceptor agonists and asthma--100 years of development. Eur J Pharmacol. 2002 Jun 7;445(1-2):1-12.

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

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