
Product Data Sheet

Product Name: Almokalant (H 234/09)

Cat. No.: GC32673

Chemical Properties

Cas. No. 123955-10-2

SMILES CCCS(CCCN(CC)CC(O)COC1=CC=C(C#N)C=C1)=O

Formula $C_{18}H_{28}N_2O_3S$ M.Wt 352.49

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

Almokalant is a class III antiarrhythmic drug, acts as a potassium channel blocker, and inhibits a specific component (I_{kr}) of the time-dependent delayed rectifier K⁺ current.

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Almokalant (125 μmol/kg, p.o.) induces cardiovascular defects, orofacial clefts, and tail defects in pregnant rats, after administration on Day 11. Almokalant also causes in pregnant rats[1].

[1]. Wellfelt K, et al. Teratogenicity of the class III antiarrhythmic drug almokalant. Role of hypoxia and reactive oxygen species. *Reprod Toxicol.* 1999 Mar-Apr;13(2):93-101.

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

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