
Product Data Sheet

Product Name: ICA 110381

Cat. No.: GC10560

Chemical Properties

Cas. No. 325457-99-6

Chemical Name 4-chloro-N-(6-chloropyridin-3-yl)benzamide

SMILES C1C=CC=C(C=C1)C(NC2=CC=C(N=C2)Cl)=OFormula $C_{12}H_8Cl_2N_2O$ M.Wt 267.11

Solubility <26.71mg/ml in DMSO; <5.34mg/ml in ethanol 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**

ICA 110381 (Compound 16) is a KCNQ2/Q3 potassium channel opener for the treatment of epilepsy. ICA 110381 is a KCNQ2/Q3 agonist ($EC_{50}=0.38 \mu M$) as well as KCNQ1 antagonist ($IC_{50}=15 \mu M$)[1].

References:

[1]. Amato G, et al. N-Pyridyl and Pyrimidine Benzamides as KCNQ2/Q3 Potassium Channel Openers for the Treatment of Epilepsy. ACS Med Chem Lett. 2011 Mar 31;2(6):481-4.

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

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