
Product Data Sheet

Product Name: INF 4E
Cat. No.: GC50368

Chemical Properties

Cas. No. 88039-46-7

SMILES CCOC(C(C(C1=C(C=CC=C1)Cl)O)=C)=O

Formula $C_{12}H_{13}ClO_3$ M.Wt 240.68

Solubility DMSO : ≥ 100 mg/mL (415.49 mM) Storage Store at $-20^{\circ}C$

General tips For obtaining a higher solubility , please warm the tube at $37^{\circ}C$ and shake it in the ultrasonic bath for a while. Stock solution can be stored below $-20^{\circ}C$ 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

NLRP3 inflammasome and caspase-1 inhibitor ($K_i = 9.6 \mu M$ for caspase-1). Inhibits Nigericin or ATP (Cat.No. 3245) induced pyroptosis of PMA-differentiated and LPS-primed THP-1 cells and activates the Keap1-Nrf2 pathway.

Cocco et al (2014) Electrophilic warhead-based design of compounds preventing NLRP3 inflammasome-dependent pyroptosis. J.Med.Chem. 57 10366 PMID:25418070

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

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