
Product Data Sheet

Product Name: TFC 007
Cat. No.: GC50101

Chemical Properties

Cas. No. 927878-49-7

SMILES O=C(C2CCN(C3=CC=C(NC(C4=CN=C(OC5=CC=CC=C5)N=C4)=O)C=C3)CC2)N1CCOCC1

Formula C₂₇H₂₉N₅O₄ M.Wt 487.55

Solubility Soluble in DMSO Storage Store at -20°C

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the tips ultrasonic bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or Condition blue ice upon request.

Structure

Background

Potent hematopoietic prostaglandin D synthase (H-PGDS) inhibitor (IC₅₀ = 83 nM). Inhibits PGD₂ production and late phase nasal blockage in an animal model of allergic rhinitis. Exhibits negligible effects on COX-1, COX-2, 5-LOX, LTC₄ synthase, TXA₂ synthase and microsomal prostaglandin E₂ synthase.

Nabe et al (2011) Inhibition of hematopoietic prostaglandin D synthase improves allergic nasal blockage in guinea pigs. Prostaglandins Other Lipid Mediat. 95 27 PMID:21601002

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

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