

Product Data Sheet

Product Name: LXS196
Cat. No.: GC32811

Chemical Properties

Cas. No. 1874276-76-2

SMILES NC1=C(C(NC2=C(N3CCC(C)(N)CC3)C=CC=N2)=O)N=C(C4=NC=CC=C4C(F)(F)F)C=N1

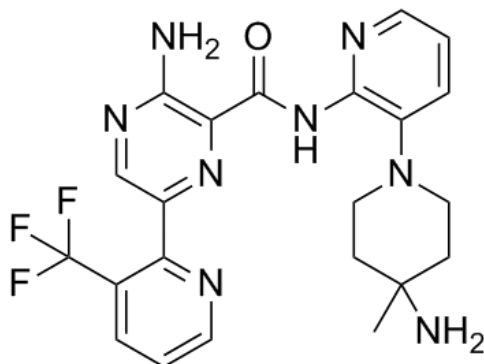
Formula C22H23F3N8O M.Wt 472.47

Solubility DMSO : ≥ 100 mg/mL (211.65 mM) 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

LXS196 is a potent, selective and orally active protein kinase C (PKC) inhibitor, with IC₅₀ values of 1.9 nM, 0.4 nM and 3.1 μM for PKCα, PKCθ and GSK3β, respectively. It can be used for the treatment of uveal melanoma[1][2].

Upon oral administration, protein kinase C inhibitor LXS196 binds to and inhibits PKC, which prevents the activation of PKC-mediated signaling pathways. This may lead to the induction of cell

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

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cycle arrest and apoptosis in susceptible tumor cells. PKC, a serine/threonine protein kinase overexpressed in certain types of cancer cells, is involved in tumor cell differentiation, proliferation, invasion and survival[1].

LXS196 (compound 9) (15, 30, 75, 150 mg/kg, P.O., mice) shows improved efficacy (regression) in a 92.1 GNAQ uveal melanoma xenograft model in a dose-dependently manner[2].| Animal Model:|Mice implanted with 92.1 GNAQ mutant uveal melanoma cells[2].|Dosage:|15, 30, 75, 150 mg/kg|Administration:|P.O. (bid) for 35 days|Result:|Dose-dependently suppressed the tumor growth.

[1]. Protein Kinase C Inhibitor LXS196 [2]. US20180179181.

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