

CID 2011756

Catalog No: tcsc1676



Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg



Specifications

CAS No:

638156-11-3

Formula:

$C_{22}H_{21}ClN_2O_3$

Pathway:

Apoptosis

Target:

PKD

Purity / Grade:

>98%

Solubility:

DMSO : 20 mg/mL (50.39 mM; Need ultrasonic)

Observed Molecular Weight:

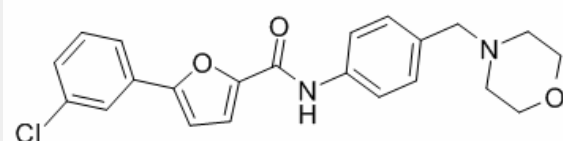
396.87

Product Description

CID 2011756 is an ATP competitive **PKD** inhibitor, with an **IC₅₀** of 3.2 μ M for PKD1 in cell free assay, and also shows cellular pan-PKD inhibitory activity against PKD2 and PKD3 (**IC₅₀**, 0.6 and 0.7 μ M, respectively). CID 2011756 also has antitumor activity.

IC50 & Target: IC50: 3.2 μ M (PKD1), 0.6 μ M (Cellular PKD2), 0.7 μ M (Cellular PKD3)^[1]

In Vitro: CID 2011756 is an ATP-competitive PKD1 inhibitor, with an IC₅₀ of 3.2 μ M. CID 2011756 decreases the phosphorylation of endogenous PKD1 Ser⁹¹⁶ in LNCaP cancer cells with an EC₅₀ of 10 \pm 0.7 μ M. CID 2011756 also has cellular pan-PKD inhibitory effects, with IC₅₀s of 0.6 \pm 0.1 μ M and 0.7 \pm 0.2 μ M for PKD2 and PKD3, respectively^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!