

CID 2011756

Catalog No: tcsc1676

Available Sizes

Size: 5mg

Size: 10mg

Size: 50mg

Specifications

CAS No:

638156-11-3

Formula:

 $\mathsf{C}_{22}\mathsf{H}_{21}\mathsf{CIN}_2\mathsf{O}_3$

Pathway:

Apoptosis

Target:

PKD

Purity / Grade:

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

Observed Molecular Weight:

396.87

Product Description

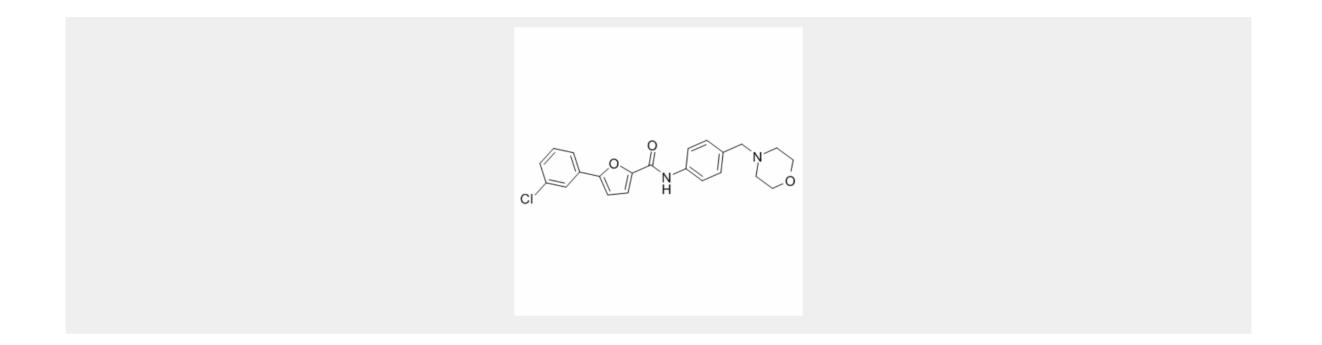
CID 2011756 is an ATP competitive **PKD** inhibitor, with an **IC**₅₀ of 3.2 μ M for PKD1 in cell free assay, and also shows cellular pan-PKD inhibitory activity against PKD2 and PKD3 (**IC**₅₀, 0.6 and 0.7 μ M, respectively). CID 2011756 also has antitumor activity.

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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±0.7 μ M. CID 2011756 also has cellular pan-PKD inhibitory effects, with IC₅₀s of 0.6±0.1 μ M and 0.7±0.2 μ M for PKD2 and PKD3, respectively^[1].



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