

BX795

Catalog No: tcsc0259



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg

Size: 50mg

Size: 100mg

Size: 200mg



Specifications

CAS No:

702675-74-9

Formula:

$C_{23}H_{26}IN_7O_2S$

Pathway:

PI3K/Akt/mTOR

Target:

PDK-1

Purity / Grade:

>98%

Solubility:

DMSO : 50 mg/mL (84.54 mM; Need ultrasonic)

Observed Molecular Weight:

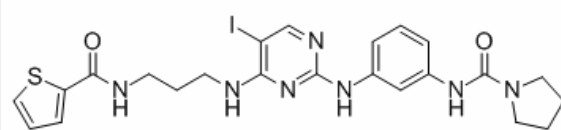
591.47

Product Description

BX795 is a potent and selective dual inhibitor of **TBK1/PDK1** with **IC₅₀**s of 2 nM/6 nM, respectively, and has > 50 fold selectivity over PKA, PKC, c-Kit, GSK3 β etc.

IC50 & Target: IC50: 2 nM (TBK1), 6 nM (PDK1)

In Vitro: BX795 effectively blocks PDK1 activity in PC-3 cells, as shown by their ability to block phosphorylation of S6K1, Akt, PKC δ , and GSK3 β . BX795 potently inhibits tumor cell growth on plastic with IC₅₀ of 1.6, 1.4, and 1.9 μ M for MDA-468, HCT-116 and MiaPaca cells, respectively. In soft agar, BX795 displays higher growth inhibition with IC₅₀ of 0.72, and 0.25 μ M for MDA-468, and PC-3 cells, respectively^[1]. In addition, BX795, as an inhibitor of the TBK1/IKK ϵ , blocks TBK1- and IKK ϵ -mediated activation of IRF3 and production of IFN- β ^[2]. In platelet physiological responses, BX795 produces inhibitory effect on 2-MeSADP-induced or collagen-induced aggregation, ATP secretion and thromboxane generation^[3].



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