

Product Data Sheet

Product Name: BT173
Cat. No.: GC72982

Chemical Properties

Cas. No. 2232180-74-2

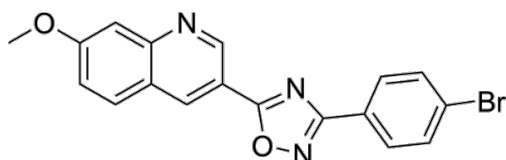
Formula $C_{18}H_{12}BrN_3O_2$ M.Wt 382.21

Solubility DMSO : 2 mg/mL (5.23 mM);
ultrasonic and warming and heat to 60°C) Storage -20°C, protect from light

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

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

Structure



Background

BT173 is a potent homeodomain interacting protein kinase 2 (HIPK2) inhibitor. BT173 binds to HIPK2 does not inhibit HIPK2 kinase activity but rather, interfered allosterically with the ability of HIPK2 to associate with Smad3. BT173 attenuates renal fibrosis through suppression of the TGF- β 1/Smad3 pathway.

References:

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

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[1]. Ruijie Liu, et al. A Novel Inhibitor of Homeodomain Interacting Protein Kinase 2 Mitigates Kidney Fibrosis through Inhibition of the TGF- β 1/Smad3 Pathway. J Am Soc Nephrol. 2017 Jul;28(7):2133-2143.

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