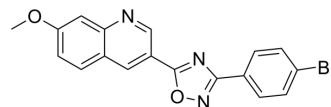


BT173

Cat. No.:	HY-128439
CAS No.:	2232180-74-2
Molecular Formula:	C ₁₈ H ₁₂ BrN ₃ O ₂
Molecular Weight:	382
Target:	DYRK
Pathway:	Protein Tyrosine Kinase/RTK
Storage:	-20°C, protect from light * In solvent : -80°C, 6 months; -20°C, 1 month (protect from light)



BIOLOGICAL ACTIVITY

Description

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-β1/Smad3 pathway^[1].

REFERENCES

[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.

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

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