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Product Datasheet

BX-795, CAS [[702675-74-9]] FBM-10-4677

Article Name	BX-795, CAS [[702675-74-9]]
Biozol Catalog Number	FBM-10-4677
Supplier Catalog Number	10-4677
Alternative Catalog Number	FBM-10-4677-5MG,FBM-10-4677-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Dual TBK1/IKKepsilon inhibitor - enhances lentiviral transduction efficiency...
Molecular Weight	591.47
Purity	>97% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[702675-74-9]
Formula	C ₂₃ H ₂₆ N ₇ O ₂ S

Application Notes

BX795, originally described as a moderately potent inhibitor of PDK1 (IC₅₀ = 111 nM)¹, is, more importantly, a dual inhibitor of TBK1 and IKKepsilon (IC₅₀s = 6 and 41 nM respectively)². TBK1 and IKKepsilon regulate the production of Type I interferons during bacterial and viral infection via phosphorylation of the transcription factor IRF3. It also inhibited of MARK, MLK, NUA1, AurB, and ERK8.³ BX795 exhibited antitumor activity in human oral squamous cell carcinoma⁴, pancreatic ductal adenocarcinoma⁵, and Glioblastoma Multiforme⁶. BX795 has been used to enhance lentiviral transduction efficiency in human NK cells⁷⁻⁹ and human primary T cells¹⁰ for CAR-T cell therapy.