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## Product Datasheet

**BX-795**

**FBM-10-4677**

Article Name	BX-795
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 <sub>23</sub> H <sub>26</sub> N <sub>7</sub> O <sub>2</sub> S

Application Notes

BX795, originally described as a moderately potent inhibitor of PDK1 (IC<sub>50</sub> = 111 nM)<sup>1</sup>, is, more importantly, a dual inhibitor of TBK1 and IKKepsilon (IC<sub>50</sub>s = 6 and 41 nM respectively)<sup>2</sup>. 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.<sup>3</sup> BX795 exhibited antitumor activity in human oral squamous cell carcinoma<sup>4</sup>, pancreatic ductal adenocarcinoma<sup>5</sup>, and Glioblastoma Multiforme<sup>6</sup>. BX795 has been used to enhance lentiviral transduction efficiency in human NK cells<sup>7-9</sup> and human primary T cells<sup>10</sup> for CAR-T cell therapy.