


Certificate of Analysis

Catalog Number	BP17746
Product Name	TBK1/IKKε-IN-2

Physical and Chemical Properties

CAS No.	1292310-49-6
Chemical Formula	C ₂₆ H ₂₇ N ₅ O ₃
Molecular Weight	457.534
Solubility	DMSO: 16.5mg/ml (36.06 Mm), Need ultrasonic and warming
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	TBK1/IKKε-IN-2 is a dual inhibitor of TBK1 and IKKε.
Targets&IC50	TBK1:0.6 nM (IC50, at 5 μM ATP) , IKKε:3.9 nM (IC50, at 10 μM ATP)
In vitro	TBK1/IKKε-IN-2 (Compound #1) inhibits TBK1 biochemical function in Ulight kinase assay at 5 and 250 μM ATP concentration with IC50s of 0.6 and 2.6 nM, respectively. TBK1/IKKε-IN-2 inhibits IKKε biochemical function in Ulight kinase assay at 10 μM ATP with an IC50 of 3.9 nM. The IC50 of TBK1/IKKε-IN-2 in the Panc 02.13 proliferation assay is 5 μM.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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v2 Revision on 12/28/2022