


## Certificate of Analysis

Catalog Number	BP13111
Product Name	CDK4/6-IN-6

## Physical and Chemical Properties

CAS No.	2380321-51-5
Chemical Formula	C <sub>22</sub> H <sub>27</sub> ClFN <sub>5</sub> O <sub>3</sub>
Molecular Weight	463.93
Solubility	
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

## Product Information

Description	CDK4/6-IN-6 is a potent CDK4/CDK6 inhibitor with Ki of 0.6 nM and 13.9 nM for CDK4/Cyclin D1 and CDK6/Cyclin D3, respectively.
Targets&IC50	cdk6/cyclin D3:13.9 nM (Ki), Cdk4/cyclin D1:0.6 nM (Ki)
In vitro	CDK4/6-IN-6 (example A94) has IC 50 s of 38.5 nM and 144.9 nM for CDK4/Cyclin D1 and CDK6/Cyclin D3 using phospho-Rb S795 ELISA assays in JEKO-1 and MV4-1 cells.

## 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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