


## Certificate of Analysis

Catalog Number	BP13109
Product Name	CDK4/6-IN-2

## Physical and Chemical Properties

CAS No.	1800506-48-2
Chemical Formula	C <sub>27</sub> H <sub>32</sub> F <sub>2</sub> N <sub>8</sub>
Molecular Weight	506.606
Solubility	DMSO: 5mg/mL (9.87 mM), Need ultrasonic
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-2 is a potent CDK4 and CDK6 inhibitor (IC <sub>50</sub> s: 2.7 and 16 nM) extracted from patent US20180000819A1 (Compound 1).
Targets&IC <sub>50</sub>	CDK4:2.7 nM, CDK6:16 nM
In vitro	CDK4/6-IN-2 inhibits H441, H358, PC3, MV-4-11, JeKo-1, SW780, and HGC-27 cells (IC <sub>50</sub> s: 147.8, 290.9, 260.5, 139, 36.98, 162.5, and 316.4 nM).

## 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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