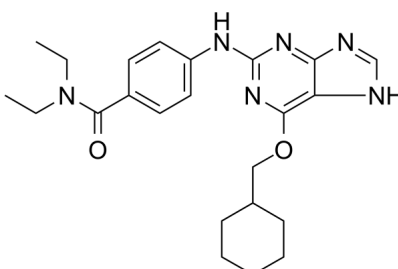


Certificate of Analysis

Catalog Number	BP13392
Product Name	NU6140

Physical and Chemical Properties

CAS No.	444723-13-1
Chemical Formula	C ₂₃ H ₃₀ N ₆ O ₂
Molecular Weight	422.533
Solubility	DMSO: 250 mg/mL (591.69 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	<p>NU6140 is a selective inhibitor of CDK2-cyclin A (IC₅₀, 0.41 μM). It shows 10- to 36-fold selectivity over other CDKs. NU6140 also effectively inhibits Aurora A and Aurora B (IC₅₀s: 67 and 35 nM, respectively). It also enhances the apoptotic effect and has anti-cancer activity.</p>
-------------	---

Targets&IC50	Aurora A:67 nM, Aurora B:35 nM, CDK5/p25:15 µM, CDK4/CyclinD:5.5 µM, CDK7/cyclinH:3.9 µM, CDK2/CyclinA:0.41 µM, CDK1/CyclinB:6.6 µM
In vitro	NU6140 enhances catalytic activity of capase-9 and capase-3, causes an increase in the sub-G1 apoptotic cell population. NU6140 is less active on CDK1-cyclin B, CDK4-cyclin D, CDK5-p25 and CDK7-cyclin H (IC50s: 6.6, 5.5, 15 and 3.9 µM, respectively).

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.

Purdue Bioscience Inc.

750 50th St, Brooklyn, NY 11220, USA

<https://www.purduebio.com>

1-877.618.7311

info@purduebio.com

v2 Revision on 12/28/2022