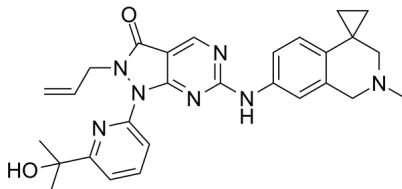


## Certificate of Analysis

Catalog Number	BP13293
Product Name	WEE1-IN-3

## Physical and Chemical Properties

Synonyms	JUN76288
CAS No.	2272976-28-8
Chemical Formula	C <sub>28</sub> H <sub>31</sub> N <sub>7</sub> O <sub>2</sub>
Molecular Weight	497.603
Solubility	DMSO: 250 mg/mL (502.42 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	JUN76288 is a potent Wee1 kinase inhibitor with an IC <sub>50</sub> of <10 nM. It treatment of cancer and other proliferative diseases.
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Targets&IC50	Wee1:<10 nM
In vitro	WEE1-IN-3 inhibits cancer cell growth with IC50 values of 100-1000 nM and <100 nM for SW480 cells and H23 cells, respectively. ?WEE1 is overexpressed in various cancer types,?WEE1 kinase plays a role in the G2-M cell-cycle checkpoint arrest for ?NA repair before mitotic entry.?Normal cells repair damaged DNA during GI arrest.?Cancer cells often have a deficient G i-S checkpoint and depend on a functional G2-M checkpoint for DNA repair.

## 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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