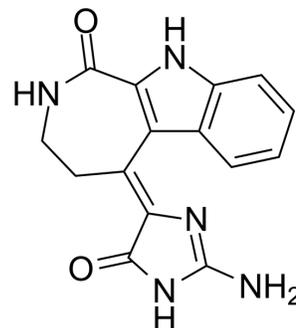


## Chk2-IN-1

Cat. No.:	HY-112477
CAS No.:	724708-21-8
Molecular Formula:	C <sub>15</sub> H <sub>13</sub> N <sub>5</sub> O <sub>2</sub>
Molecular Weight:	295.3
Target:	Checkpoint Kinase (Chk)
Pathway:	Cell Cycle/DNA Damage
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Chk2-IN-1 (compound 1) is a potent and selective inhibitor of checkpoint kinase 2 (Chk2), with IC <sub>50</sub> s of 13.5 nM and 220.4 nM for Chk2 and Chk1, respectively. Chk2-IN-1 can elicit a strong ataxia telangiectasia mutated (ATM)-dependent Chk2-mediated radioprotection effect <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	Chk2 13.5 nM (IC <sub>50</sub> )	Chk1 220.4 nM (IC <sub>50</sub> )

### REFERENCES

[1]. Nguyen TNT, et, al. Radioprotection by hymenialdisine-derived checkpoint kinase 2 inhibitors. ACS Chem Biol. 2012 Jan 20;7(1):172-84.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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