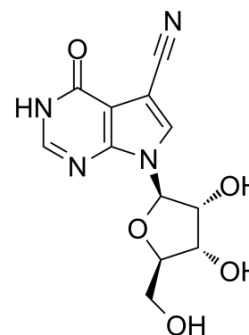


## Jaspamycin

Cat. No.:	HY-111759
CAS No.:	22242-96-2
Molecular Formula:	C <sub>12</sub> H <sub>12</sub> N <sub>4</sub> O <sub>5</sub>
Molecular Weight:	292.25
Target:	PKA
Pathway:	Protein Tyrosine Kinase/RTK; Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the COA.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Jaspamycin (7-CN-7-C-Ino) is a potent activator of PKA, binding to the R site (PKAR), with an EC <sub>50</sub> of 6.5 nM and K <sub>d</sub> of 8 nM in <i>Trypanosoma brucei</i> . Jaspamycin (7-CN-7-C-Ino) does not bind with purified human PKAR1α. <b>Anti-parasite activity</b> <sup>[1]</sup> .	
<b>IC<sub>50</sub> &amp; Target</b>	<i>Trypanosoma brucei</i> PKAR(199-499) 6.5 nM (EC50)	<i>Trypanosoma brucei</i> PKA holoenzyme 8 nM (Kd)

### REFERENCES

[1]. Sabine Bachmaier, et al. Nucleoside analogue activators of cyclic AMP-independent protein kinase A of *Trypanosoma*. *Nat Commun.* 2019 Mar 29;10(1):1421.

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

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