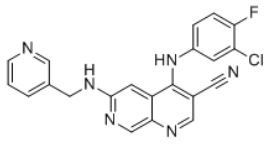
ProbeChem®
Expedite Your Scientific Research

WWW.PROBECHEM.COM

Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	Tpl2-IN-2p
Cat. No.	:	PC-70030
CAS No.	:	871307-18-5
Molecular Formula	:	$C_{21}H_{14}ClFN_6$
Molecular Weight	:	404.83
Target	:	MEKK (MAP3K)
Solubility	:	10 mM in DMSO



Biological Activity

Tpl2-IN-2p is a potent, selective, reversible and ATP-competitive inhibitor of **Tpl2 kinase** (Cot/MAP3K8) with IC50 of 50 nM.
Tpl2-IN-2p dispalys significant selectivity over other related kinases (IC50= 5, >40, 110, 180, >400 and >400 uM for EGFR, MEK, MK2, p38, Src, and PKC, respectively).
Tpl2-IN-2p inhibits LPS-induced TNF-α production both from primary human monocytes and in whole blood with IC50 of 0.7 and 8.5 uM, respectively;

References

Gavrin LK, et al. ***Bioorg Med Chem Lett.*** 2005 Dec 1;15(23):5288-92.

Lee WJ, et al. ***Neoplasia.*** 2013 Sep;15(9):1036-48.

Lee HW, et al. ***Mol Cancer Res.*** 2013 Nov;11(11):1375-86.

E-mail: tech@probechem.com