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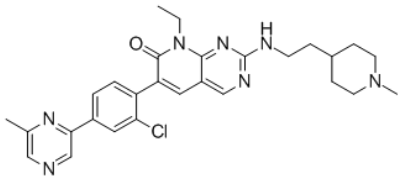
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	FRAX-1036
Cat. No.	:	PC-45644
CAS No.	:	1432908-05-8
Molecular Formula	:	$C_{28}H_{32}ClN_7O$
Molecular Weight	:	518.053
Target	:	p21-activated Kinase (PAK)
Solubility	:	DMSO: 5.3 mg/mL (Need warming)



Biological Activity

FRAX1036 is a potent and selective inhibitor of **group I PAKs** (PAK1, Ki=23.3 nM; PAK2, Ki=72.4 nM).
FRAX1036 displays weak affinity on PAK4 (Ki = 2.4 uM).
FRAX1036 inhibits phosphorylation of MEK1-S298 and CRAF-S338 at 2.5-5 uM in MDA-MB-175 cells.
FRAX1036 inhibits MPNST cell growth in vitro and dramatically decreases local and metastatic MPNST growth in animal models combined with PD0325901.

References

Ong CC, et al. ***Breast Cancer Res.*** 2015 Apr 23;17:59.

Mortazavi F, et al. ***BMC Cancer.*** 2015 May 9;15:381.

Semenova G, et al. ***Oncogene.*** 2017 May 22. doi: 10.1038/onc.2017.143.

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