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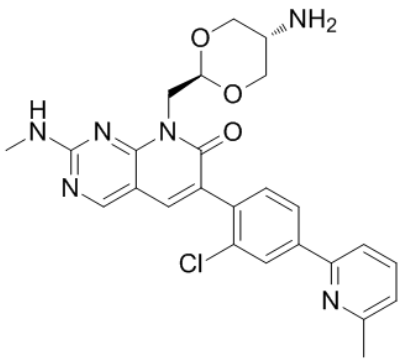
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.

Product Name	:	G-5555
Cat. No.	:	PC-45665
CAS No.	:	1648863-90-4
Molecular Formula	:	$C_{25}H_{25}ClN_6O_3$
Molecular Weight	:	492.9574
Target	:	p21-activated Kinase (PAK)
Solubility	:	DMSO: ≥ 27 mg/mL



Biological Activity

G-5555 is a potent and selective p21-activated kinase 1 (**PAK1**) inhibitor (Ki=3.7 nM).
G-5555 showes excellent kinase selectivity and inhibits only eight out of the 235 kinases with inhibition >70% at 0.1 uM.
G-5555 inhibits S298 phosphorylation of MEK1 in EBC1 cells with IC50 of 69 nM.
G-5555 shows improved potency and selectivity than FRAX1036 (Cat#PC-45644); shows good vivo PK/PD effects.

References

Ndubaku CO, et al. ***ACS Med Chem Lett.*** 2015 Oct 31;6(12):1241-6.

Rudolph J, et al. ***J Med Chem.*** 2016 Jun 9;59(11):5520-41.

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