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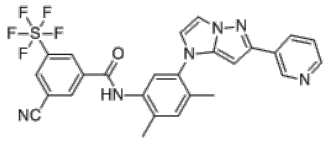
Data Sheet

Global Supplier of Chemical Probes, Inhibitors & Agonists.



Product Name	:	BAY-826
Cat. No.	:	PC-35106
CAS No.	:	1448316-08-2
Molecular Formula	:	$C_{26}H_{19}F_5N_6OS$
Molecular Weight	:	558.531
Target	:	Angiopoietin Receptor
Solubility	:	10 mM in DMSO

Biological Activity

BAY-826 (BAY826) is a novel selective, highly potent, orally available **TIE-2** inhibitor (dissociation constant=1.6 nM).
BAY-826 binds with similar high affinity to only 4 of 456 kinases, namely, TIE-1,DDR1, DDR2, and LOK (dissociation constant=0.9, 0.4, 1.3, and 5.9 nM).
BAY-826 is highly selective against other angiogenic kinases, such as VEGFR, FGFR, or PDGFR, and affects VEGF-stimulated proliferation of HUVEC only at lM concentrations.
BAY-826 inhibits TIE-2 phosphorylation in vitro and in vivo as demonstrated by suppression of Angiopoietin-1- or Na3 VO4 -induced TIE-2 phosphorylation in glioma cells or extracts of lungs from BAY-826-treated mice.
BAY-826 improves tumor control in syngeneic mouse glioma models.

References

Schneider H, et al. ***J Neurochem***. 2017 Jan;140(1):170-182.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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