MOLNOVA
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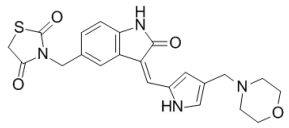
Datasheet (Version 1.0)

Product Name	:	S49076
Synonyms	:	S 49076;S-49076
Cat No.	:	M11115
CAS Number	:	1265965-22-7
Molecular Formula	:	C22H22N4O4S
Formula Weight	:	438.50
Chemical Name	:	2,4-Thiazolidinedione, 3-[[2,3-dihydro-3-[[4-(4-morpholinylmethyl)-1H-pyrrol-2-yl]methylene]-2-oxo-1H-indol-5-yl]methyl]-
Description	:	S49076 is a potent, ATP-competitive tyrosine kinase inhibitor of MET, AXL/MER, and FGFR1/2/3 with IC50 of <20 nM, also potently inhibits the kinase activity of mutated isoforms of MET (D1246N, Y1248D, Y1248H) and FGFR1/2; only inhibits 6% of kinases on a panel of 442 human wild-type and mutated kinases at 100 nM; inhibits the proliferation of MET- and FGFR2-dependent gastric cancer cells, blocks MET-driven migration of lung carcinoma cells, and inhibits colony formation of hepatocarcinoma cells expressing FGFR1/2 and AXL; causes tumor growth arrest in bevacizumab-resistant tumors in cancer xenograft models.Brain Cancer Phase 2 Clinical
Pathway	:	Tyrosine Kinase
Target	:	TAM Receptor
Receptor	:	AXL;FGFR2;FGFR3;Mer;Met
Solubility	:	DMSO: ≥ 31 mg/mL
SMILES	:	O=C(N1CC2=CC3=C(NC(/C3=C\C4=CC(CN5CCOCC5)=CN4)=O)C=C2)SCC1=O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Burbridge MF, et al. Mol Cancer Ther. 2013 Sep;12(9):1749-62.| 2. Clémenson C, et al. Mol Cancer Ther. 2017 Oct;16(10):2107-2119.| 3. Rodon J, et al. Eur J Cancer. 2017 Aug;81:142-150.