MOLNOVA
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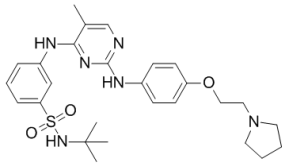
Datasheet (Version 1.0)

Product Name	:	TG-101348
Synonyms	:	Fedratinib;SAR 302503;TG101348;TG 101348
Cat No.	:	M16699
CAS Number	:	936091-26-8
Molecular Formula	:	C27H36N6O3S
Formula Weight	:	524.68
Chemical Name	:	Benzenesulfonamide, N-(1,1-dimethylethyl)-3-[[5-methyl-2-[[4-[2-(1-pyrrolidinyl)ethoxy]phenyl]amino]-4-pyrimidinyl]amino]-
Description	:	TG-101348 (Fedratinib, SAR302503)is a potent, selective JAK2 inhibitor with IC50 of 3 nM for both wt JAK2 and JAK2 V617F; also inhibits FLT3 (IC50=15 nM) and RET (IC50=48 nM) kinases, weakly inhibits JAK3 (IC50=168 nM), >35-fold selectivity over JAK1/3 and Tyk2; shows therapeutic efficacy in a murine model of myeloproliferative disease induced by the JAK2V617F mutation; also potently inhibits BRD4 with Kd of 168 nM.Bone Cancer Phase 3 Clinical
Pathway	:	Angiogenesis
Target	:	JAK
Receptor	:	FLT3;JAK2;JAK2(V617F);RET
Solubility	:	DMSO: ≥ 42 mg/mL
SMILES	:	O=S(C1=CC=CC(NC2=NC(NC3=CC=C(OCCN4CCCC4)C=C3)=NC=C2C)=C1)(NC(C)(C)C)=O
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	



1. Pardanani A, et al. Leukemia. 2007 Aug;21(8):1658-68.| 2. Ciceri P, et al. Nat Chem Biol. 2014 Apr;10(4):305-12.| 3. Wernig G, et al. Cancer Cell. 2008 Apr;13(4):311-20.| 4. Geron I, et al. Cancer Cell. 2008 Apr;13(4):321-30.

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