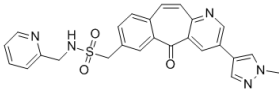


Product Name	: MK-8033
Synonyms	: MK 8033;MK8033
Cat No.	: M10025
CAS Number	: 1001917-37-8
Molecular Formula	: C ₂₅ H ₂₁ N ₅ O ₃ S
Formula Weight	: 471.53
Chemical Name	: 5H-Benzo[4,5]cyclohepta[1,2-b]pyridine-7-methanesulfonamide, 3-(1-methyl-1H-pyrazol-4-yl)-5-oxo-N-(2-pyridinylmethyl)-
Description	 MK-8033 is a potent, specific, dual c-Met/Ron kinases inhibitor with IC₅₀ of 1/7 nM, also potently inhibits oncogenic c-Met activation loop mutants Y1230C, Y1230H and Y1235D with IC₅₀ of 0.6-1.2 nM; MK-8033 is >100-fold selective relative to Ron and c-Met inhibition against a panel of 221 kinases; potently and selectively inhibits growth in c-Met amplified cell lines (GTL-16 proliferation IC₅₀ =582 nM), causes full inhibition of tumor growth in c-Met amplified (GTL-16) subcutaneous tumor xenograft model; synergizes with carboplatin plus paclitaxel to inhibit ovarian cancer cell growth.Solid Tumors Phase 1 Clinical
Pathway	: Angiogenesis
Target	: c-Met/HGFR
Receptor	: c-Met/HGFR
Solubility	: DMSO: ≥ 46 mg/mL
SMILES	: O=S(CC1=CC=C2C(C(C3=CC(C4=CN(C)N=C4)=CN=C3C=C2)=O)=C1)(NCC5=NC=CC=C5)=O
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:

1. Northrup AB, et al. J Med Chem. 2013 Mar 28;56(6):2294-310.| 2. Bhardwaj V, et al. J Thorac Oncol. 2012 Aug;7(8):1211-7.| 3. Marchion DC, et al. Oncol Rep. 2013 May;29(5):2011-8.| 4. Keedy VL, et al. Invest New Drugs. 2018 Jan 29. doi: 10.1007/s10637-018-0567-z.