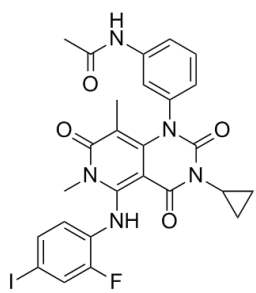


Product Name	: Trametinib	
Synonyms	: GSK-1120212; JTP 74057; GSK1120212; GSK 1120212; JTP-74057; JTP74057	
Cat No.	: M16335	
CAS Number	: 871700-17-3	
Molecular Formula	: C ₂₆ H ₂₃ FIN ₅ O ₄	
Formula Weight	: 615.39	
Chemical Name	Acetamide, N-[3-[3-cyclopropyl-5-[(2-fluoro-4-iodophenyl)amino]-3,4,6,7-tetrahydro-6,8-dimethyl-2,4,7-trioxopyrido[4,3-d]pyrimidin-1(2H)-yl]phenyl]-	
Description	A potent and highly specific MEK1/2 inhibitor with IC ₅₀ of 0.92 nM/1.8 nM; exhibits no inhibition on the kinase activities of c-Raf, B-Raf, ERK1/2. Skin Cancer Approved	
Pathway	MAPK/ERK Signaling	
Target	MEK	
Receptor	MEK1; MEK2	
Solubility	10 mM in DMSO	
SMILES	CC(=O)Nc1ccc(cc1)Nc2nc3c(nc(=O)n3C)C(=O)Nc4cc(I)c(F)cc4C5=CC(=O)N5C(=O)C2=O=C1=O	
Storage	(-20°C)	
Stability	≥ 2 years	
Reference		

1. Gilmartin AG, et al. Clin Cancer Res. 2011 Mar 1;17(5):989-1000. | 2. Flaherty KT, et al. N Engl J Med. 2012 Nov 1;367(18):1694-703. | 3. Yamaguchi T, et al. Int J Oncol, 2011, 39(1), 23-31.