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Product Datasheet

Trametinib, CAS [[871700-17-3]] FBM-10-4759

Article Name	Trametinib, CAS [[871700-17-3]]
Biozol Catalog Number	FBM-10-4759
Supplier Catalog Number	10-4759
Alternative Catalog Number	FBM-10-4759-10MG,FBM-10-4759-50MG,FBM-10-4759-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	MEK inhibitor...
Molecular Weight	615.39
Purity	98% by TLC/HPLC NMR (Conforms)
Form	White solid
CAS Number	[871700-17-3]
Formula	C26H23FIN5O4

Application Notes	Trametinib is a highly potent (IC_{50} uMEK1 = 0.7 nM, pp-MEK1 = 14.9 nM)¹ and selective MEK inhibitor displaying selective inhibition of proliferation in various BRAF mutant cancer cell lines (IC_{50} ACHN = 9.8 nM, IC_{50} HT-29 = 0.57 nM)². It is approved for use against unresectable or metastatic BRAF-mutant melanoma alone or in combination with Dabrafenib. Trametinib can limit outgrowth of tumors without directly inhibiting tumor cell proliferation via abrogation of cytokine-driven expansion of monocytic myeloid-derived suppressor cells (mMDSC) through a mechanism involving CD8+ T cells.^{3,4} Trametinib also displays potent anti-arthritic effects.⁵
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