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## Product Datasheet

### Trametinib FBM-10-4759

Artikelname	Trametinib
Artikelnummer	FBM-10-4759
Hersteller Artikelnummer	10-4759
Alternativnummer	FBM-10-4759-10MG,FBM-10-4759-50MG,FBM-10-4759-10MM/1MLDMSO
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	MEK inhibitor...
Molekulargewicht	615.39
Reinheit	98% by TLC/HPLC NMR (Conforms)
Formulierung	White solid
CAS Nummer	[871700-17-3]
Formel	C <sub>26</sub> H <sub>23</sub> FIN <sub>5</sub> O <sub>4</sub>

Anwendungsbeschreibung	<p>Trametinib is a highly potent (<math>IC_{50}</math> uMEK1 = 0.7 nM, pp-MEK1 = 14.9 nM)<sup>1</sup> and selective MEK inhibitor displaying selective inhibition of proliferation in various BRAF mutant cancer cell lines (<math>IC_{50}</math> ACHN = 9.8 nM, <math>IC_{50}</math> HT-29 = 0.57 nM)<sup>2</sup>. 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.<sup>3,4</sup> Trametinib also displays potent anti-arthritic effects.<sup>5</sup></p>
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