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Product Datasheet

Avutometinib, CAS [[946128-88-7]] FBM-10-4112

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| Artikelname | Avutometinib, CAS [[946128-88-7]] |
| Artikelnummer | FBM-10-4112 |
| Hersteller Artikelnummer | 10-4112 |
| Alternativnummer | FBM-10-4112-5MG,FBM-10-4112-25MG |
| Hersteller | Focus Biomolecules |
| Kategorie | Biochemikalien |
| Produktbeschreibung | Dual MEK/RAF inhibitor... |
| Molekulargewicht | 471.46 |
| Reinheit | >98% by HPLC (NMR Conforms) |
| Formulierung | White solid |
| CAS Nummer | [946128-88-7] |
| Formel | C ₂₁ H ₁₈ FN ₅ O ₅ S |

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| Anwendungsbeschreibung | <p>Avutometinib is a dual MEK/RAF inhibitor (IC50s: MEK = 160 nM, CRAF = 56 nM, BRAF = 19 nM, BRAF V600E = 8nM).¹ It directly inhibits unphosphorylated MEK without causing induction of MEK phosphorylation by RAF. The avutemetinib-MEK adduct is a dominant-negative inhibitor of RAF, stabilizing the MEK/RAF complex and locking in an inactive form. Avutometinib displayed efficacy across multiple RAS-mutated cancer cell lines and an SK-MEL-2 xenograft model.² It displayed synergistic effects with eribulin against triple-negative breast cancer cell lines.³ Avutometinib also displayed efficacy in combination with the FAK inhibitor Defactinib in KRAS-mutated NSCLC cells.⁴</p> |
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