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Product Datasheet

PLX4720, CAS [[918505-84-7]] FBM-10-5113

Article Name	PLX4720, CAS [[918505-84-7]]
Biozol Catalog Number	FBM-10-5113
Supplier Catalog Number	10-5113
Alternative Catalog Number	FBM-10-5113-5MG, FBM-10-5113-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Mutant B-Raf inhibitor...
Molecular Weight	413.82
Purity	>98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[918505-84-7]
Formula	C17H14ClF2N3O3S
Application Notes	Potent and selective inhibitor of B-Raf, V600E mutant, IC ₅₀ =13 nM (Wild type IC ₅₀ =160 nM). ¹ It induces cell cycle arrest and apoptosis in B-RafV600E-positive cells and suppresses growth of B-RafV600E-positive xenografts. ¹ It induces tumor regression and reverses cachexia in a mouse model of human thyroid cancer harboring the B-RafV600E mutation. ² Early stage autophagy inhibitors and ER stress inhibition with 4-phenylbutyric acid increases the sensitivity of resistant cells to PLX4720. ³ PLX4720 induces cytoprotective autophagy in thyroid cancer cells via AMPK-ULK1 pathway. ⁴