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Product Datasheet

JQ1 (+), CAS [[1268524-70-4]]

FBM-10-1584

Article Name	JQ1 (+), CAS [[1268524-70-4]]
Biozol Catalog Number	FBM-10-1584
Supplier Catalog Number	10-1584
Alternative Catalog Number	FBM-10-1584-5MG, FBM-10-1584-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	BET Bromodomain inhibitor...
Molecular Weight	456.99
Purity	98% by HPLC NMR conforms
Form	White solid
CAS Number	[1268524-70-4]
Formula	C23H25ClN4O2S
Application Notes	Potent BET bromodomain inhibitor and is the active isomer. IC50 = 17.7, 32.6, 76.9 and 12942 nM respectively for BRD2 (N-terminal (N)), BRD4 (C-terminal (C)), BRD4 (N) and CREBBP respectively (data for + isomer). ¹ Competitive binding by JQ1 displaces the BRD4 fusion oncoprotein from chromatin, prompting squamous differentiation and specific antiproliferative effects in BRD4-dependent cell lines and patient-derived xenograft models. ¹ Induces squamous differentiation in NMC cell lines and inhibits tumor growth in NMC xenografts. ² Displays reversible contraceptive effects in male mice. ³ Blocks inflammation and bone loss in periodontitis. ⁴ Reverses CAR T cell extinction. ⁵