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Product Datasheet

DRB, CAS [[53-85-0]] FBM-10-2047

Article Name	DRB, CAS [[53-85-0]]
Biozol Catalog Number	FBM-10-2047
Supplier Catalog Number	10-2047
Alternative Catalog Number	FBM-10-2047-10MG, FBM-10-2047-50MG, FBM-10-2047-10MM/1MLDMSO
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Transcription inhibitor, CK2 inhibitor...
Molecular Weight	319.14
Purity	98% by HPLC NMR (conforms)
Form	White solid
CAS Number	[53-85-0]
Formula	C ₁₂ H ₁₂ Cl ₂ N ₂ O ₄
Application Notes	A classic inhibitor of transcription by RNA polymerase II. A relatively selective inhibitor of Cdk9 (IC ₅₀ =3 µM), the kinase of the positive transcription elongation factor b (P-TEF-b) required for processive transcription elongation by RNA polymerase II. ^{1,2} Also inhibits casein kinase II, IC ₅₀ =4-10 µM. ³ Suppresses the SIRT1/CK2α pathway and enhances the radiosensitivity of human cancer cells. ⁴ Kinase-independent activities of Cdk9 such as glucocorticoid receptor modulation are not inhibited by DRB. ⁵