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Product Datasheet

AM-580 FBM-10-5511

Article Name	AM-580
Biozol Catalog Number	FBM-10-5511
Supplier Catalog Number	10-5511
Alternative Catalog Number	FBM-10-5511-5MG,FBM-10-5511-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	RARalpha agonist...
Molecular Weight	351.45
Purity	>98% by HPLC NMR (Conforms)
Form	Off-white solid
CAS Number	[102121-60-8]
Formula	C22H25NO3
Application Notes	Retinoic acid analog acting as a RARalpha agonist (Kd = 8 nM). ¹ Induces or blocks differentiation depending on cell type and environment. ^{2,3} In combination with CHIR-99021 it induces differentiation of human induced pluripotent stem cells (iPSCs) into intermediate mesoderm (80% induction rate in 5 days) capable of forming kidney structures. ⁴ AM-580 exhibits anti-angiogenic activity in vivo, and induces differentiation of acute promyelocytic leukemia cells. ^{5,6}