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Product Datasheet

TTNPB, CAS [[71441-28-6]] FBM-10-2517

Article Name	TTNPB, CAS [[71441-28-6]]
Biozol Catalog Number	FBM-10-2517
Supplier Catalog Number	10-2517
Alternative Catalog Number	FBM-10-2517-5MG,FBM-10-2517-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Retinoic RAR agonist...
Molecular Weight	348.49
Purity	>98% by HPLC, NMR (Conforms)
Form	Off-white solid
CAS Number	[71441-28-6]
Formula	C24H28O3
Application Notes	Highly potent and selective retinoic acid analog acting as an RAR agonist (EC50 = 21, 4 and 2.4 nM for RARalpha, RARbeta and RARgamma respectively).¹ TTNPB has been extensively used in stem cell differentiation protocols. It enhances reprogramming efficiency in chemically induced pluripotent stem cells.² Chondrocytes are robustly induced from human pluripotent stem cells by treatment with CHIR99021 and TTNPB.³ TTNPB alone, efficiently converts primary adult mouse fibroblasts into dermal papilla cell-like cells.⁴ Can be used in combination with other small molecules for induction of mouse totipotent stem cells.⁵