

Please note: This document was created automatically and is not a substitute for the manufacturer's original document.

## 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	C <sub>24</sub> H <sub>28</sub> O <sub>3</sub>
Application Notes	<p>Highly potent and selective retinoic acid analog acting as an RAR agonist (EC<sub>50</sub> = 21, 4 and 2.4 nM for RARalpha, RARbeta and RARgamma respectively).<sup>1</sup> TTNPB has been extensively used in stem cell differentiation protocols. It enhances reprogramming efficiency in chemically induced pluripotent stem cells.<sup>2</sup> Chondrocytes are robustly induced from human pluripotent stem cells by treatment with CHIR99021 and TTNPB.<sup>3</sup> TTNPB alone, efficiently converts primary adult mouse fibroblasts into dermal papilla cell-like cells.<sup>4</sup> Can be used in combination with other small molecules for induction of mouse totipotent stem cells.<sup>5</sup></p>