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Product Datasheet

Dienamide A2, CAS [[24738-51-0]] FBM-10-1621

Article Name	Dienamide A2, CAS [[24738-51-0]]
Biozol Catalog Number	FBM-10-1621
Supplier Catalog Number	10-1621
Alternative Catalog Number	FBM-10-1621-5MG,FBM-10-1621-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Novel cannabinoid CB2 agonist, antiinflammatory...
Molecular Weight	251.41
Purity	98% by TLC NMR conforms
Form	White solid
CAS Number	[24738-51-0]
Formula	C16H29NO
Application Notes	Analog of the natural amides occurring in Echinacea which represent a new class of cannabinomimetic compounds. This class of compounds modulates TNFalpha mRNA expression in human monocytes/macrophages via the CB2 receptor.¹ Dienamide A2 binds to cannabinoid receptors with greater affinity than endogenous cannabinoids (Ki= ~60 and >1500 nM for CB2 and CB1 respectively)². It elevates intracellular Ca²⁺ levels in CB2-positive but not in CB2-negative cells and this effect was blocked by SR144528.² It significantly inhibits LPS-induced TNFalpha and IL-1beta expression in a CB2-independent manner.²