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## Product Datasheet

### Dienamide A2 FBM-10-1621

Article Name	Dienamide A2
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	<p>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.<sup>1</sup> Dienamide A2 binds to cannabinoid receptors with greater affinity than endogenous cannabinoids (<math>K_i = \sim 60</math> and <math>&gt;1500</math> nM for CB2 and CB1 respectively)<sup>2</sup>. It elevates intracellular <math>Ca^{2+}</math> levels in CB2-positive but not in CB2-negative cells and this effect was blocked by SR144528.<sup>2</sup> It significantly inhibits LPS-induced TNFalpha and IL-1beta expression in a CB2-independent manner.<sup>2</sup></p>