

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

## Product Datasheet

### 2E151, CAS [[2416963-37-4]] FBM-10-4145

Article Name	2E151, CAS [[2416963-37-4]]
Biozol Catalog Number	FBM-10-4145
Supplier Catalog Number	10-4145
Alternative Catalog Number	FBM-10-4145-10MG, FBM-10-4145-50MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Vaccine co-adjuvant...
Molecular Weight	497.67
Purity	98% by HPLC NMR (Conforms)
Form	White solid
CAS Number	[2416963-37-4]
Formula	C <sub>26</sub> H <sub>31</sub> N <sub>3</sub> O <sub>3</sub> S <sub>2</sub>
Application Notes	Vaccine adjuvants are materials that enhance the magnitude and duration of protective immune responses, typically via pattern recognition receptors (PRR). 2E151 is a co-adjuvant that increases the potency of toll-like receptor (TLR) adjuvants and overall enhances T cell stimulation/proliferation and cytokine production. <sup>1</sup> It increases intracellular Ca <sup>2+</sup> via extracellular Ca <sup>2+</sup> influx, leading to NF-κB activation (EC <sub>50</sub> = 0.9 μM) <sup>2</sup> via IKK/MAPK phosphorylation and NFAT translocation in B cells and monocytes.