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## Product Datasheet

### 4-Octyl itaconate, CAS [[3133-16-2]]

### FBM-10-3573

Article Name	4-Octyl itaconate, CAS [[3133-16-2]]
Biozol Catalog Number	FBM-10-3573
Supplier Catalog Number	10-3573
Alternative Catalog Number	FBM-10-3573-20MG, FBM-10-3573-100MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	Nrf2 activator...
Molecular Weight	242.32
Purity	>98% by TLC NMR (Conforms)
Form	White to off-white solid
CAS Number	[3133-16-2]
Formula	C13H22O4
Application Notes	4-Octyl itaconate is a cell-permeable analog of itaconic acid which activates the anti-inflammatory transcription factor Nrf2 via alkylation of KEAP1.1. It inhibits various forms of cell death including ferroptosis <sup>2</sup> and gasdermin B-mediated pyroptosis <sup>3</sup> while inducing secretion of anti-inflammatory proteins <sup>4</sup> and promoting a wound-resolving phenotype in pro-inflammatory macrophages <sup>5</sup> .