

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

Product Datasheet

Optovin, CAS [[348575-88-2]] FBM-10-1456

Article Name	Optovin, CAS [[348575-88-2]]
Biozol Catalog Number	FBM-10-1456
Supplier Catalog Number	10-1456
Alternative Catalog Number	FBM-10-1456-5MG, FBM-10-1456-25MG
Manufacturer	Focus Biomolecules
Category	Biochemikalien
Product Description	TRPA1 channel activator...
Molecular Weight	315.41
Purity	98% by TLC, NMR (Conforms)
Form	Tan solid
CAS Number	[348575-88-2]
Formula	C15H13N3OS2
Application Notes	Reversible, photoactive TRPA1 activator. Optovin stimulates human TRPA1 channels and enables repeated photoactivation of motor behaviors in wild-type zebrafish ($EC_{50} = 2 \mu M$) and mice, in vivo. Photodetection is performed by sensory neurons expressing the TRPA1 cation channel which is activated via structure-dependent photochemical reactions with redox-sensitive cysteine residues. ¹