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Product Datasheet

ML-SA1

FBM-10-1439

Artikelname	ML-SA1
Artikelnummer	FBM-10-1439
Hersteller Artikelnummer	10-1439
Alternativnummer	FBM-10-1439-10MG,FBM-10-1439-50MG
Hersteller	Focus Biomolecules
Kategorie	Biochemikalien
Produktbeschreibung	TRPML activator...
Molekulargewicht	362.43
Reinheit	98% by HPLC NMR (Conforms)
Formulierung	Tan solid
CAS Nummer	[332382-54-4]
Formel	C22H22N2O3
Anwendungsbeschreibung	<p>TRPML 1,2 and 3 channel activator.1 Does not activate TRPM2, TRPV2, TRPV3, TRPC6 or TRPA1 channels.2 ML-SA1 robustly activates whole cell TRPML1-4A and whole-endolysosome TRPML1 and is comparable (10 μM) to the effect of the endogenous TRPML agonist, PI(3,5)P2 (1 μM).2 Thus it is a useful chemical tool for studying the functions of TRPMLs. It induces TRPML-mediated Ca²⁺ release from lysosomes which corrects trafficking defects and reduces cholesterol accumulation in Niemann-Pick type C macrophages.2,3 Reduces intralysosomal Ca²⁺ level rescuing abnormal lysosomal storage in FIG4-deficient cells.4</p>