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Product Datasheet

Muramyl dipeptide, CAS [[53678-77-6]] BYT-ORB1706939

Article Name	Muramyl dipeptide, CAS [[53678-77-6]]
Biozol Catalog Number	BYT-ORB1706939
Supplier Catalog Number	orb1706939
Alternative Catalog Number	BYT-ORB1706939-1
Manufacturer	Biorbyt
Category	Biochemikalien
Product Description	Muramyl dipeptide (MDP) is a synthetic immunoadjuvant peptide that promotes bone formation. It directly enhances osteoblast differentiation via Runx2 upregulation through MAPK signaling, while indirectly suppressing osteoclastogenesis by modulating t...
Molecular Weight	492.48
Purity	>99.99% (May vary between batches)
CAS Number	[53678-77-6]
Formula	C19H32N4O11
Target	p38 MAPK,NOD,NOD-like Receptor (NLR)
Application Notes	Solubility: 10% DMSO+40% PEG300+5% Tween 80+45% Saline:5 mg/mL (10.15 mM),DMSO:50 mg/mL (101.53 mM),H2O:20 mg/mL (40.61 mM)