

Product Datasheet

Curcumin-d6 (orb2281238)

Catalog Number	orb2281238
Category	Small Molecules
Description	Curcumin D6 is a deuterium-labeled form of the natural polyphenol curcumin, a multi-target agent with documented anti-inflammatory, antioxidant, and anti-proliferative properties. It is widely used in biochemical research to study its mechanisms, including inhibition of p300 HAT, NF-κB, and MAPK pathways, in both cell-based and animal models.
Target	Mitophagy, Ferroptosis, Autophagy, Nrf2, Epigenetic Reader Domain, Histone Acetyltransferase, Influenza Virus
MW	374.422
CAS Number	1246833-26-0
Formula	C ₂₁ H ₂₀ O ₆
SMILES	[2H]C([2H])([2H])Oc1cc(C=CC(=O)CC(=O)C=Cc2ccc(O)c(OC([2H])([2H])[2H])c2)ccc1O w:9.9,16.16
Storage	-20°C
Note	For research use only
Expiration Date	12 months from date of receipt.

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