



alpha-Mangostin

Cat. No.:	OB0225LY-0247
Appearance:	Solid
Purity:	≥98%
Identity:	Confirmed by NMR and HPLC.
Size:	10 mg; 25 mg; 50 mg; 100 mg

This product is for research use only and is not intended for diagnostic use.

Product Overview

Description	alpha-Mangostin is a compound extracted from mangosteen with antioxidant and anti-inflammatory properties.
Synonym	α-Mangostin; Mangostin; 6147-11-1; 1,3,6-Trihydroxy-7-methoxy-2,8-bis(3-methylbut-2-en-1-yl)-9H-xanthen-9-one; Mangostine; 9H-Xanthen-9-one, 1,3,6-trihydroxy-7-methoxy-2,8-bis(3-methyl-2-butenyl)-; 1,3,6-Trihydroxy-7-methoxy-2,8-di(3-methyl-2-butenyl)xanthone
CAS No.	6147-11-1
Compound CID	5281650
Formula	C ₂₄ H ₂₆ O ₆
Formula Weight	410.46

Specification

Source	Mangosteen tree
Relative Density	1.265 g/cm ³
IUPAC Name	1,3,6-Trihydroxy-7-methoxy-2,8-bis(3-methylbut-2-enyl)xanthen-9-one
InChI	InChI=1S/C24H26O6/c1-12(2)6-8-14-16(25)10-19-21(22(14)27)23(28)20-15(9-7-13(3)4)24(29-5)17(26)11-18(20)30-19/h6-7,10-11,25-27H,8-9H2,1-5H3
InChI Key	GNRIZKCCNOBBMO-UHFFFAOYSA-N
SMILES string	CC(=CCC1=C(C2=C(C=C1O)OC3=C(C2=O)C(=C(C(=C3)O)OC)CC=C(C)O)C
Stability	3 years in powder form.



Storage	Storage at -20°C.
Applications	alpha-Mangostin can be used in nutritional studies to assess its effects on chronic inflammation and oxidative stress.

Library Information

Targets	Reactive oxygen species; Virus protease; Dehydrogenase
Pathways	Microbiology/Virology; NF-κB; Apoptosis; Immunology/Inflammation; Metabolism
Plate Number	AOCL-4
Plate Location	b2
Empty Location	a1-h1; a12-h12
Container	96-well plate
Formulation	10 mM DMSO
DMSO Max Solubility	45 mg/mL; 109.63 mM