

a-Mangostin, STING agonist (human)

Catalog	Unit
TBI3433-10MG	10 mg
TBI3433-50MG	50 mg

Product Details

Formal Name: 1,3,6-Trihydroxy-7-methoxy-2,8-bis(3-methylbut-2-en-1-yl)-9H-xanthen-9-one

Alternate Names: Mangostine; Mangostin

Molecular Formula: C₂₄H₂₆O₆

Formula Weight: 410.46

CAS Number: 6147-11-1

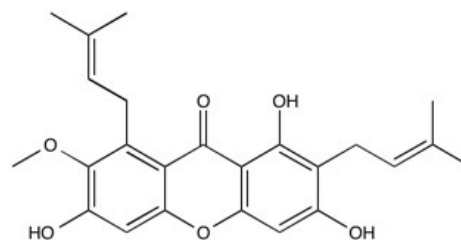
Purity: >98%

Formulation: powder

Solubility: Soluble in DMSO (up to 50 mg/ml)

Storage: -20°C

Stability: ≥ 2 years.



Applications

STING agonist (human)

Functions

α -Mangostin is a xanthone natural product that has historically been used in traditional folk medicine. It is a potent agonist of human STING (Stimulator of Interferon Genes) and also weakly activates mouse STING. Induces IFN- γ production and repolarizes human monocyte-derived M2 macrophages to M1. Improves insulin secretion and protects INS-1 cells from streptozotocin-induced damage. Suppresses the metastasis of human renal carcinoma cells. Synergizes with kinase inhibitors in suppression of proliferation of SK-MEL-2 malignant melanoma cells.

Application Procedures

First dissolved in DMSO (up to 50 mg/ml), then diluted to aqueous buffer. Solutions in DMSO may be stored at -20°C for up to 1 month.

For research use only.