Product Datasheet

Spathulenol

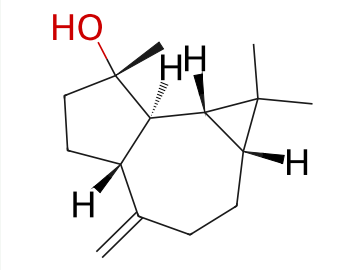
Catalog No. **BP-08834** · CAS **6750-60-3** · Form **free base** · Physical state **other** · Color **Colorless to light yellow** · Version **1.0** · Revision **2026-11-16**

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Target	Research area
Free Radical Scavengers	**Plant; Aristolochiaceae Extract; Aristolochia yunnanensis Extract; Terpenoids; Sesquiterpenes; Other Families Extract; Disease Research Fields; Cancer**

Molecular formula	$C_{15}H_{24}O$
Molecular weight	**220.3560**

STRUCTURE



DESCRIPTION

Spathulenol is isolated from Aristolochia yunnanensis, and has antioxidant, anti-inflammatory, antiproliferative and antimycobacterial activities. Spathulenol shows a high antioxidant activity with an IC50 of 85.60 μg/mL in the DPPH system .

BIOLOGICAL ACTIVITY

Spathulenol exhibits a high antioxidant activity s in the DPPH and MDA system, exhibits significant DPPH free radical activity, with IC50 values of 85.60 μg/mL

Spathulenol (oral administration; 300 mg/kg) shows a significant inhibition in the Cg-induced mice paw oedema and pleurisy model

SOLUBILITY

Soluble in DMSO : 100 mg/mL

In vitro	DMSO : 100 mg/mL

REFERENCES

[1]. Nascimento KF, et al. Antioxidant, anti-inflammatory, antiproliferative and antimycobacterial activities of the essential oil of Psidium guineense Sw. and spathulenol.J Ethnopharmacol. 2018 Jan 10;210:351-358.