

Product datasheet

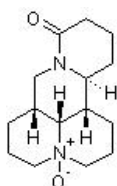
Oxymatrine (Matrine N-oxide), antiproliferative and apoptotic compound ab143141

Overview

Product name	Oxymatrine (Matrine N-oxide), antiproliferative and apoptotic compound
Description	Natural antiproliferative and apoptotic compound
Biological description	Natural antiproliferative and apoptotic compound. Inhibits iNOS expression and TGF-β/Smad pathway in bleomycin-induced pulmonary fibrosis. Antitumor, antiviral and anti-arrhythmia agent. Active <i>in vivo</i> and <i>in vitro</i> .

CAS Number 16837-52-8

Chemical structure



Properties

Molecular weight	264.36
Molecular formula	C ₁₅ H ₂₄ N ₂ O ₂
PubChem identifier	114850
Storage instructions	Store at +4°C. Store under desiccating conditions. The product can be stored for up to 12 months.
Solubility overview	Soluble in water to 100 mM, in DMSO to 100 mM and in ethanol to 100 mM
Handling	Wherever possible, you should prepare and use solutions on the same day. However, if you need to make up stock solutions in advance, we recommend that you store the solution as aliquots in tightly sealed vials at -20°C. Generally, these will be useable for up to one month. Before use, and prior to opening the vial we recommend that you allow your product to equilibrate to room temperature for at least 1 hour. Need more advice on solubility, usage and handling? Please visit our frequently asked questions (FAQ) page for more details.
SMILES	C1C[C@@H]2[C@H]3CCC[N+](C1)[C@H]3[C@@H](CCC4)CN2C(=O)C1)[O-]
Source	<i>Sophora flavescens</i>

Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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