

Dehydrocostus Lactone

Catalog No: tcsc3636



Available Sizes

Size: 5mg

Size: 10mg



Specifications

CAS No:

477-43-0

Formula:

$C_{15}H_{18}O_2$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

DMSO : ≥ 62.5 mg/mL (271.39 mM)

Alternative Names:

(-)-Dehydrocostus lactone;Epiligulyl oxide

Observed Molecular Weight:

230.3

Product Description

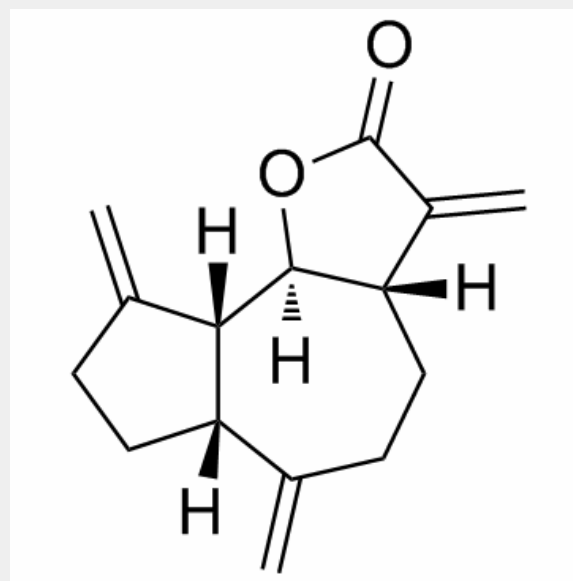
Dehydrocostus Lactone is a major sesquiterpene lactone isolated from the roots of Saussurea lappa.

IC50 value:

Target:

In vitro: Dehydrocostus Lactone promoted apoptosis with increased activation of caspases 8, 9, 7, 3, enhanced PARP cleavage, decreased Bcl-xL expression and increased levels of Bax, Bak, Bok, Bik, Bmf, and t-Bid. We have demonstrated that Dehydrocostus Lactone inhibits cell growth and induce apoptosis in DU145 cells [1]. Dehydrocostus Lactone inhibits NF-kappaB activation by preventing TNF-alpha-induced degradation and phosphorylation of its inhibitory protein I-kappaB alpha in human leukemia HL-60 cells and that dehydrocostus lactone renders HL-60 cells susceptible to TNF-alpha-induced apoptosis by enhancing caspase-8 and caspase-3 activities [2]. Dehydrocostus Lactone inhibited the production of NO in lipopolysaccharide (LPS)-activated RAW 264.7 cells by suppressing inducible nitric oxide synthase enzyme expression.

In vivo: Dehydrocostus Lactone decreased the TNF-alpha level in LPS-activated systems in vivo [3].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!