[ Product Information ]

Name: Jujuboside A
Catalog No.: CFN98101
Cas No.: 55466-04-1
Purity: > 98%
M.F: C_{58}H_{94}O_{26}
M.W: 1207.35

Physical Description: White powder

Synonyms: O-6-Deoxy-a-L-mannopyranosyl-(1\(\rightarrow\)2)-O-[O-b-D-glucopyranosyl-(1\(\rightarrow\)6)-O-
[b-D-xylopyranosyl-(1\(\rightarrow\)2)]-b-D-glucopyranosyl-(1\(\rightarrow\)3)]-(3b,16b,23R)-16,23:16,30-diepoxy-
y-20-hydroxydammar-24-en-3-yl-a-L-arabinopyranoside.

[ Intended Use ]

1. Reference standards;
2. Pharmacological research;
3. Food research;
4. Cosmetic research;
5. Synthetic precursor compounds;
6. Intermediates & Fine Chemicals;
7. Ingredient in supplements, beverages;
8. Others.
The seeds of Zizyphus jujube.

[ Biological Activity or Inhibitors ]

Jujuboside A (JuA), one constituent of Chinese herbal medicine Ziziphus jujuba Mill Var spinosa (Bunge) Hu; a high dose of JuA can inhibit the hyperactivity of hippocampal CAI area induced by penicillin sodium.[1]

Jujuboside A possesses antianxiety, antioxidant, and anti-inflammatory effects, it can notably reduce the damage cause by ISO via promoting the phosphorylation of PI3K, Akt, and mTOR and inhibiting LC3 conversion, which may be a potential choice for the treatment of heart diseases.[2]

Jujuboside A has inhibitory effects on Glu-mediated excitatory signal pathway in hippocampus and probably acts through its anti-calmodulin action.[3]

Jujuboside A, a neuroprotective agent, can ameliorates behavioral disorders of the dementia mouse model induced by Aβ 1–42.[4]

Jujuboside A has sedative and anticonvulsant effects.[5]

Jujuboside A and Zolpidem can inhibit gamma aminobutyric acid type A receptor.[6]

Jujuboside A has inhibitory effect on proliferation of human normal liver cells, hepatic stellate cells and human hepatoma cells.[7]

[ Solvent ]

Pyridine, Methanol, Ethanol, etc.

[ HPLC Method ][8]

Mobile phase: Methanol-Acetonitrile-Buffer solution=20:30:50 ;
Flow rate: 1.5 ml/min;
Column temperature: 30 °C;
The wave length of determination: 256 nm.
[ **Storage** ]

2-8°C, Protected from air and light, refrigerate or freeze.

[ **References** ]


[ **Contact** ]

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