Matrine ab142910

**Overview**

**Product name**
Matrine

**Description**
Active alkaloid extract from *Sophora flavescens*

**Biological description**
Active alkaloid extract from *Sophora flavescens*. Various pharmacological effects including antineoplastic, antifibrotic, anti-inflammatory, and antitumor activities. Induces apoptosis by collapsing mitochondrial membrane potential. Inhibits C. parvum infection and potential therapeutic agent for enterovirus 71 infection.

**Purity**
> 98%

**CAS Number**
519-02-8

**Chemical structure**

![Chemical structure of Matrine](image)

**Properties**

**Chemical name**
(7aS,13aR,13bR,13cS)-Dodecahydro-1H,5H,10H-dipyrido[2,1-f;3',2',1'-ij][1,6]naphthyridin-10-one

**Molecular weight**
248.37

**Molecular formula**
C$_{15}$H$_{24}$N$_2$O

**PubChem identifier**
91466

**Storage instructions**
Store at +4°C. The product can be stored for up to 12 months.

**Solubility overview**
Soluble in water

**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**
C1CC2C3CCCN4C3C(C(C4)CN2C(=O)C1
Please note: All products are "FOR RESEARCH USE ONLY. NOT FOR USE IN DIAGNOSTIC PROCEDURES, NOT FOR USE IN HUMANS"

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