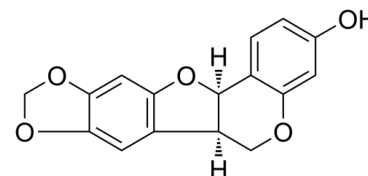


## Data Sheet

<b>Product Name:</b>	(-)-Maackiain
<b>Cat. No.:</b>	CS-0032251
<b>CAS No.:</b>	2035-15-6
<b>Molecular Formula:</b>	C <sub>16</sub> H <sub>12</sub> O <sub>5</sub>
<b>Molecular Weight:</b>	284.26
<b>Target:</b>	Fungal
<b>Pathway:</b>	Anti-infection
<b>Solubility:</b>	DMSO : 100 mg/mL (351.79 mM; Need ultrasonic)



### BIOLOGICAL ACTIVITY:

(-)-Maackiain is a pterocarpan phytoalexin produced from *Sophora flavescens*. (-)-Maackiain is toxic to several genera of fungal pathogens of legume and non legume hosts<sup>[1]</sup>.

### References:

[1]. ScottSoby, et al. Detoxification of the phytoalexins maackiain and medicarpin by fungal pathogens of alfalfa. *Phytochemistry*. 1996 Feb;14(3):759-765.

### CAIndexNames:

6H-[1,3]Dioxolo[5,6]benzofuro[3,2-c][1]benzopyran-3-ol, 6a,12a-dihydro-, (6aR,12aR)-

### SMILES:

OC1=CC=C([C@@]2([H])[C@@](C3=C(C=C4C(OCO4)=C3)O2)([H])CO5)C5=C1

**Caution: Product has not been fully validated for medical applications. For research use only.**

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