

## Product Information

### (+)-Corynoline

**Cat. No.:** X23-04-XQ251

**Size:** 20 mg; 50 mg; 100 mg; 200 mg

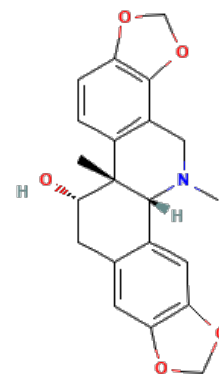
**CAS Number:** 18797-79-0

**Compound CID:** 177014

**Synonym:** 18797-79-0; Corynoline; (+)-Corynoline; 13-Methylchelidonine;

(11*S*,13*R*,14*R*)-Corynoline

**This product is for research use only and is not intended for diagnostic use.**



### Product Information

<b>Description</b>	(+)-Corynoline exhibits cytotoxicity against several types of cancers in vitro, including lung carcinoma, colon carcinoma, melanoma, and ovarian carcinoma cell lines.
<b>Molecular Weight</b>	367.14
<b>Molecular Formula</b>	C <sub>21</sub> H <sub>21</sub> NO <sub>5</sub>
<b>IUPAC Name</b>	(1 <i>R</i> ,12 <i>S</i> ,13 <i>R</i> )-13,24-Dimethyl-5,7,18,20-tetraoxa-24-azahexacyclo[11.11.0.02,10.04,8.014,22.017,21]tetracos-2,4(8),9,14(22),15,17(21)-hexaen-12-ol
<b>InChI</b>	InChI=1S/C21H21NO5/c1-21-14-3-4-15-19(27-10-24-15)13(14)8-22(2)20(21)12-7-17-16(25-9-26-17)5-11(12)6-18(21)23/h3-5,7,18,20,23H,6,8-10H2,1-2H3/t18-,20+,21-/m0/s1
<b>InChI Key</b>	IQUGPRHKZLNCHGC-TYPHKJRUSA-N
<b>Canonical SMILES</b>	CC12C(CC3=CC4=C(C=C3C1N(CC5=C2C=CC6=C5OCO6)C)OCO4)O
<b>Isomeric SMILES</b>	C[C@]12[C@H](CC3=CC4=C(C=C3[C@H]1N(CC5=C2C=CC6=C5OCO6)C)OCO4)O
<b>Source</b>	The earthnut of <i>Corydalis sheareri</i> S. Moore
<b>Form</b>	Colorless granular crystal
<b>Purity</b>	>98%, determined by HPLC.
<b>Identity</b>	Confirmed by NMR and MS.
<b>Stability</b>	The product is stable for two years when stored at the recommended temperature.
<b>Melting Point</b>	218-219°C
<b>Applications</b>	(+)-Corynoline can be used for inhibiting acetylcholinesterase experiments, etc.
<b>Storage</b>	Store at 4°C. Protect from light.



## Safety Information

**Personal Protective Equipment**      Gloves, eyeshields, N95 mask

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