

Product Information

Usaramine

Cat. No.: X22-05-ZQ466

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

MDL: MFCD01684242

CAS Number: 15503-87-4

Compound CID: 5281756

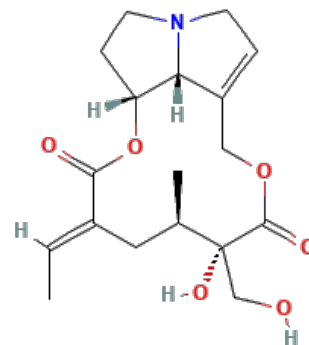
Synonym: 15503-87-4; Usaramine; Mucronatine;

(1*R*,4*E*,6*R*,7*S*,17*R*

)-4-Ethylidene-7-Hydroxy-7-(hydroxymethyl)-6-methyl-2,9-dioxo-14-azatricyclo[9.5.1.0

14,17]heptadec-11-ene-3,8-dione

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



Product Information

Description	Usaramine is a pyrrolizidine alkaloid that has antibacterial and hepatotoxic activities. This product can be used for research in the fields of medicine and pharmacy.
Molecular Weight	351.399
Molecular Formula	C ₁₈ H ₂₅ NO ₆
IUPAC Name	(1 <i>R</i> ,4 <i>E</i> ,6 <i>R</i> ,7 <i>S</i> ,17 <i>R</i>))-4-Ethylidene-7-Hydroxy-7-(hydroxymethyl)-6-methyl-2,9-dioxo-14-azatricyclo[9.5.1.014,17]heptadec-11-ene-3,8-dione
InChI	InChI=1S/C18H25NO6/c1-3-12-8-11(2)18(23,10-20)17(22)24-9-13-4-6-19-7-5-14(15(13)19)25-16(12)21/h3-4,11,14-15,20,23H,5-10H2,1-2H3/b12-3+/t11-,14-,15-,18-/m1/s1
InChI Key	BCJMNZRQJAVDLD-FXGRWVCYSA-N
Canonical SMILES	CC=C1CC(C(C(=O)OCC2=CCN3C2C(CC3)OC1=O)(CO)O)C
Isomeric SMILES	C/C=C/1\C[C@H]([C@@](C(=O)OCC2=CCN3[C@H]2[C@@H](CC3)OC1=O)(CO)O)C
Source	<i>Crotalaria brevifolia</i>
Form	Powder
Purity	≥98%, determined by HPLC.
Identity	Confirmed by MS and NMR.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	182.5-183.5°C



Applications Usaramine can be used for research in the fields of medicine and pharmacy.

Storage Store at 4°C. Protect from light.

Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
