

Product Information

Vicine

Cat. No.: X23-04-XQ193

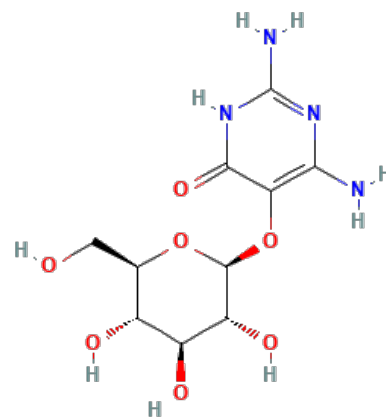
Size: 20 mg; 50 mg; 100 mg; 200 mg

CAS Number: 152-93-2

Compound CID: 135413566

Synonym: 152-93-2; Vicine; Vicioside

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



Product Information

Description	Vicine, an alkaloid glycoside, is toxic in individuals and may cause hemolytic anemia.
Molecular Weight	304.259
Molecular Formula	C ₁₀ H ₁₆ N ₄ O ₇
IUPAC Name	2,4-Diamino-5-[(2 <i>S</i> ,3 <i>R</i> ,4 <i>S</i> ,5 <i>S</i> ,6 <i>R</i>)-3,4,5-trihydroxy-6-(hydroxymethyl)oxan-2-yl]oxy-1 <i>H</i> -pyrimidin-6-one
InChI	InChI=1S/C10H16N4O7/c11-7-6(8(19)14-10(12)13-7)21-9-5(18)4(17)3(16)2(1-15)20-9/h2-5,9,15-18 H,1H2,(H5,11,12,13,14,19)/t2-,3-,4+,5-,9+/m1/s1
InChI Key	KGNGTSCIQCLKEH-SYCVNHKBSA-N
Canonical SMILES	C(C1C(C(C(C(O1)OC2=C(N=C(NC2=O)N)N)O)O)O)O
Isomeric SMILES	C([C@@H]1[C@H]([C@@H]([C@H]([C@@H](O1)OC2=C(N=C(NC2=O)N)N)O)O)O)O
Form	Orange powder
Purity	>98%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Vicine can be used for the research of hemolytic anemia, etc.
Storage	Store at 4°C. Protect from light.

Safety Information

Personal Protective Gloves, eyeshields, N95 mask



Equipment
