

Product Information

Chelerythrine

Cat. No.: X23-04-XQ470

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

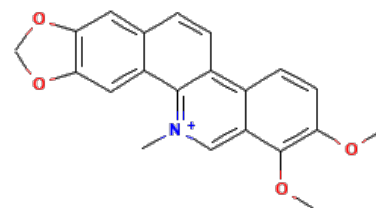
CAS Number: 34316-15-9

Compound CID: 2703

Synonym: 34316-15-9; Chelerythrine; Toddalin; Chelerythrin; Broussonpapyrine;

Toddaline

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



Product Information

Description	Chelerythrine exhibits anticancer qualities and it has served as a base for many potential novel drugs against cancer.
Molecular Weight	383.83
Molecular Formula	C ₂₁ H ₁₈ ClNO ₄
IUPAC Name	1,2-Dimethoxy-12-methyl-[1,3]benzodioxolo[5,6-c]phenanthridin-12-ium
InChI	InChI=1S/C21H18NO4/c1-22-10-16-13(6-7-17(23-2)21(16)24-3)14-5-4-12-8-18-19(26-11-25-18)9-15(12)20(14)22/h4-10H,11H2,1-3H3/q+1
InChI Key	LLEJIEBFSoEYIV-UHFFFAOYSA-N
Canonical SMILES	C[N+]1=C2C(=C3C=CC(=C(C3=C1)OC)OC)C=CC4=CC5=C(C=C42)OCO5
Source	The roots and leaves of <i>Toddalia asiatica</i> (L.)Lam.
Form	Light yellow powder or light white powder
Purity	>98%, determined by HPLC.
Solubility	It is soluble in methanol and ethanol, has a certain solubility in water, and is insoluble in petroleum ether and chloroform.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Melting Point	195-205°C
Applications	Chelerythrine can be used for anticancer activity experiments, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
