

Product Information

Palmatine

Cat. No.: X23-04-XQ480

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

CAS Number: 3486-67-7

Compound CID: 19009

Synonym: 3486-67-7; Palmatine; Berbericine; O-O-Dimethyldemethyleneberberine;

Burasaine; Calystigine; 7,8,13,13a-Tetrahydro-2,3,9,10-tetramethoxyberbinium;

Palmatin

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



Product Information

Description	Palmatine (Berbericine, Burasaine), an isoquinoline alkaloid, has sedative, antidepressant, antioxidative, anti-ulcerative, antacid, anticancer, and anti-metastatic activities.
Molecular Weight	369.42
Molecular Formula	C ₂₁ H ₂₃ NO ₅
IUPAC Name	2,3,9,10-Tetramethoxy-5,6-dihydroisoquinolino[2,1-b]isoquinolin-7-ium
InChI	InChI=1S/C21H22NO4/c1-23-18-6-5-13-9-17-15-11-20(25-3)19(24-2)10-14(15)7-8-22(17)12-16(13)21(18)26-4/h5-6,9-12H,7-8H2,1-4H3/q+1
InChI Key	QUCQEUCGKKTETBI-UHFFFAOYSA-N
Canonical SMILES	COC1=C(C2=C[N+]3=C(C=C2C=C1)C4=CC(=C(C=C4CC3)OC)OC)OC
Source	<i>Coptis chinensis</i> Franch
Form	White powder
Purity	>98%, determined by HPLC.
Solubility	It is soluble in water and methanol.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Palmatine can be used for antibacterial, antitumor, and antiarrhythmic activity experiments, etc.
Storage	Store at 4°C. Protect from light.

Safety Information



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