

Product Information

Catharanthine

Cat. No.: X23-04-XQ370

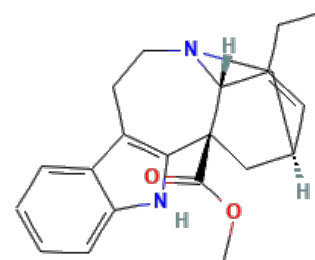
Size: 20 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD01753356

CAS Number: 2468-21-5

Compound CID: 5458190

Synonym: 2468-21-5; Catharanthine; Catharanthin; Catharanthine Base; (+)-Catharanthine; (+)-3,4-Didehydrocoronaridine



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

Product Information

Description	Catharanthine is an inhibitor of tubulin self-assembly into microtubules.
Molecular Weight	336.42
Molecular Formula	C ₂₁ H ₂₄ N ₂ O ₂
IUPAC Name	Methyl (1 <i>R</i> ,15 <i>R</i> ,18 <i>R</i>))-17-ethyl-3,13-diazapentacyclo[13.3.1.0.2,10.0.4,9.0.13,18]nonadeca-2(10),4,6,8,16-pentaene-1-carboxylate
InChI	InChI=1S/C21H24N2O2/c1-3-14-10-13-11-21(20(24)25-2)18-16(8-9-23(12-13)19(14)21)15-6-4-5-7-17(15)22-18/h4-7,10,13,19,22H,3,8-9,11-12H2,1-2H3/t13-,19+,21-/m0/s1
InChI Key	CMKFQVZJOWHHDV-NQZBTDCJSA-N
Canonical SMILES	CCC1=CC2CC3(C1N(C2)CCC4=C3NC5=CC=CC=C45)C(=O)OC
Isomeric SMILES	CCC1=C[C@H]2C[C@]3([C@@H]1N(C2)CCC4=C3NC5=CC=CC=C45)C(=O)OC
Source	The <i>phlox</i> family <i>Catharanthus roseus</i>
Purity	>95%, determined by HPLC.
Identity	Confirmed by NMR and MS.
Stability	The product is stable for two years when stored at the recommended temperature.
Applications	Catharanthine can be used for analgesic, anti-inflammatory, sleeping, laxative and diuretic effect experiments, etc.
Storage	Store at 4°C. Protect from light.



Safety Information

Personal Protective Equipment Gloves, eyeshields, N95 mask
