

Product Information

K-252a, Purity ≥98%

Cat. No.: X24-09-YM1263

Size: 1 mg; 2 mg; 5 mg; 10 mg

CAS Number: 99533-80-9

Compound CID: 3035817

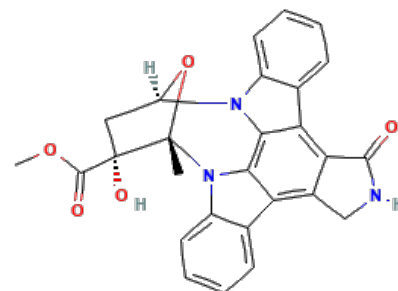
Synonym: 99533-80-9; K 252a; K252a; Antibiotic SF 2370; SF 2370; (+)-Antibiotic K

252a; Methyl

(15*S*,16*R*,18*R*)-16-hydroxy-15-methyl-3-oxo

-28-oxa-4,14,19-triazaoctacyclo[12.11.2.115,18.02,6.07,27.08,13.019,26.020,25]octac

osa-1,6,8,10,12,20,22,24,26-nonaene-16-carboxylate



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

Product Information

Description	K-252a is a metabolite originally isolated from the culture broth of <i>Nocardioopsis sp.</i> The molecular weight of the compound is 467.49, and its molecular formula is C ₂₇ H ₂₁ N ₃ O ₅ .
Molecular Weight	467.49
Molecular Formula	C ₂₇ H ₂₁ N ₃ O ₅
IUPAC Name	Methyl (15 <i>S</i> ,16 <i>R</i> ,18 <i>R</i>)-16-hydroxy-15-methyl-3-oxo -28-oxa-4,14,19-triazaoctacyclo[12.11.2.115,18.02,6.07,27.08,13.019,26.020,25]octacos-1,6,8,10,12,20,22,24,26-nonaene-16-carboxylate
InChI	InChI=1S/C27H21N3O5/c1-26-27(33,25(32)34-2)11-18(35-26)29-16-9-5-3-7-13(16)20-21-15(12-28-24(21)31)19-14-8-4-6-10-17(14)30(26)23(19)22(20)29/h3-10,18,33H,11-12H2,1-2H3,(H,28,31)/t18-,26+,27+/m1/s1
InChI Key	KOZFSFOOLUUIGY-SOLYNIJKSA-N
Canonical SMILES	CC12C(CC(O1)N3C4=CC=CC=C4C5=C6C(=C7C8=CC=CC=C8N2C7=C53)CNC6=O)(C(=O)OC)O
Form	Lyophilized powder
Purity	≥98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.



Quality Level	Research grade
Applications	K-252a can be studied extensively for its potential therapeutic applications in the treatment of neurodegenerative diseases, as it can inhibit signaling pathways involved in cell death.
Storage	Store at -20°C, and keep desiccated.
