

Product Information

TP-434, Purity ≥98%

Cat. No.: X24-09-YM1256

Size: 5 mg; 10 mg; 25 mg; 50 mg

CAS Number: 1207283-85-9

Compound CID: 54726192

Synonym: 1207283-85-9; Eravacycline; TP434; TP 434;

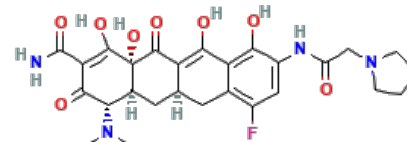
(4*S*,4*aS*,5*aR*,12*aR*)-4-(Dimethylamino)-7-fluoro-1,10,11,12*a*-

tetra

hydroxy-3,12

-dioxo-9-[(2-pyrrolidin-1

-ylacetyl)amino]-4*a*,5,5*a*,6-tetrahydro-4*H*-tetracene-2-carboxamide



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

Product Information

Description	TP-434 is a novel, broad-spectrum fluorocycline antibiotic. The molecular weight of the compound is 558.555, and its molecular formula is C ₂₇ H ₃₁ FN ₄ O ₈ .
Molecular Weight	558.555
Molecular Formula	C ₂₇ H ₃₁ FN ₄ O ₈
IUPAC Name	(4 <i>S</i> ,4 <i>aS</i> ,5 <i>aR</i> ,12 <i>aR</i>)-4-(Dimethylamino)-7-fluoro-1,10,11,12 <i>a</i> -tetrahydroxy-3,12-dioxo-9-[(2-pyrrolidin-1-ylacetyl)amino]-4 <i>a</i> ,5,5 <i>a</i> ,6-tetrahydro-4 <i>H</i> -tetracene-2-carboxamide
InChI	InChI=1S/C27H31FN4O8/c1-31(2)20-13-8-11-7-12-14(28)9-15(30-16(33)10-32-5-3-4-6-32)21(34)18(12)22(35)17(11)24(37)27(13,40)25(38)19(23(20)36)26(29)39/h9,11,13,20,34-35,38,40H,3-8,10H2,1-2H3,(H2,29,39)(H,30,33)/t11-,13-,20-,27-/m0/s1
InChI Key	AKLMFDDQCHURPW-ISIOAQNYSA-N
Canonical SMILES	CN(C)C1C2CC3CC4=C(C=C(C(=C4C(=C3C(=O)C2(C(=C(C1=O)C(=O)N)O)O)O)O)NC(=O)CN5CC(C5)F
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	TP-434 can be studied extensively for its potential therapeutic applications in the treatment of serious bacterial infections.
Storage	Store at -20°C, and keep desiccated.
