

## Product Information

### TH1338, Purity $\geq 98\%$

**Cat. No.:** X24-09-YM1212

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

**CAS Number:** 1258494-60-8

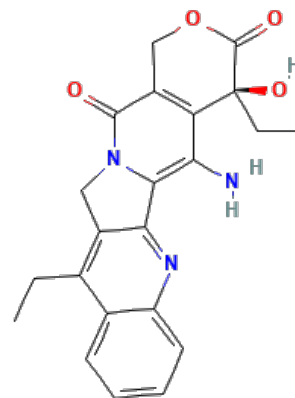
**Compound CID:** 53318291

**Synonym:** 1258494-60-8; TH 1338; TH-1338;

(19S

)-21-Amino-10,19-diethyl-19-hydroxy-17-oxa-3,13-diazapentacyclo[11.8.0.0.02,11.04,9.

015,20]henicosia-1(21),2,4,6,8,10,15(20)-heptaene-14,18-dione



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

### Product Information

<b>Description</b>	TH1338 is a DNA-damaging agent. The molecular weight of the compound is 391.42, and its molecular formula is $C_{22}H_{21}N_3O_4$ .
<b>Molecular Weight</b>	391.42
<b>Molecular Formula</b>	$C_{22}H_{21}N_3O_4$
<b>IUPAC Name</b>	(19S)-21-Amino-10,19-diethyl-19-hydroxy-17-oxa-3,13-diazapentacyclo[11.8.0.0.02,11.04,9.015,20]henicosia-1(21),2,4,6,8,10,15(20)-heptaene-14,18-dione
<b>InChI</b>	InChI=1S/C22H21N3O4/c1-3-11-12-7-5-6-8-15(12)24-18-13(11)9-25-19(18)17(23)16-14(20(25)26)10-29-21(27)22(16,28)4-2/h5-8,28H,3-4,9-10,23H2,1-2H3/t22-/m0/s1
<b>InChI Key</b>	GDSWDKUWTYXXOX-QFIPXVFZSA-N
<b>Canonical SMILES</b>	<chem>CCC1=C2CN3C(=C(C4=C(C3=O)COC(=O)C4(CC)O)N)C2=NC5=CC=CC=C51</chem>
<b>Form</b>	Lyophilized powder
<b>Purity</b>	$\geq 98\%$
<b>Impurities</b>	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
<b>Identity</b>	Confirmed by NMR/HPLC/MS.
<b>Stability</b>	In its lyophilized form, the chemical remains stable for 36 months.
<b>Quality Level</b>	Research grade
<b>Applications</b>	TH1338 can be studied extensively for its potential therapeutic applications in the treatment of various cancers, particularly those resistant to conventional therapies.



**Storage**

Store at -20°C, and keep desiccated.

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