

Product Information

PI3K α inhibitor, Brevianamide F, Purity \geq 98%

Cat. No.: X24-09-YM1365

Size: 25 mg; 50 mg; 100 mg; 200 mg

MDL: MFCD29917326

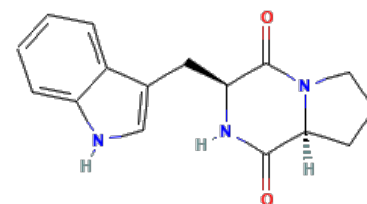
CAS Number: 38136-70-8

Compound CID: 181567

Synonym: 38136-70-8; Cyclo-L-Trp-L-Pro; L-prolyl-L-tryptophan anhydride; cyclo-(Trp-Pro);

(3*S*,8*aS*)-3-(1*H*-Indol-3-ylmethyl)-2,3,6,7,8,8*a*-

hexahydropyrrolo[1,2-*a*]pyrazine-1,4-dione; PI3K α inhibitor



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

Product Information

Description	Brevianamide F, soluble in DMSO and ethanol and insoluble in water, belongs to a class of naturally occurring 2,5-diketopiperazines. The molecular weight of the compound is 283.33, and its molecular formula is C ₁₆ H ₁₇ N ₃ O ₂ . It targets the PI3K α .
Molecular Weight	283.33
Molecular Formula	C ₁₆ H ₁₇ N ₃ O ₂
Targets	PI3K α
IUPAC Name	(3 <i>S</i> ,8 <i>aS</i>)-3-(1 <i>H</i> -Indol-3-ylmethyl)-2,3,6,7,8,8 <i>a</i> -hexahydropyrrolo[1,2- <i>a</i>]pyrazine-1,4-dione
InChI	InChI=1S/C16H17N3O2/c20-15-14-6-3-7-19(14)16(21)13(18-15)8-10-9-17-12-5-2-1-4-11(10)12/h1-2,4-5,9,13-14,17H,3,6-8H2,(H,18,20)/t13-,14-/m0/s1
InChI Key	RYFZBPVMVYTEKZ-KBPBESRZSA-N
Canonical SMILES	C1CC2C(=O)NC(C(=O)N2C1)CC3=CNC4=CC=CC=C43
Form	Lyophilized powder
Purity	\geq 98%
Impurities	Free from inappropriate visible particulates, foreign matter, discoloration, or other defects.
Solubility	<i>In vitro</i> : DMSO: 54 mg/mL (190.58 mM); Water: insoluble; Ethanol: 18 mg/mL (63.52 mM)
Identity	Confirmed by NMR/HPLC/MS.
Stability	In its lyophilized form, the chemical remains stable for 36 months.
Quality Level	Research grade



Applications

Brevianamide F can be used for its neuroprotective properties.

Storage

Store at -20°C, and keep desiccated.
