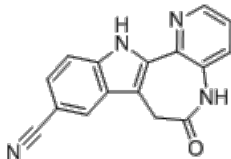


Product Name	: Cazpaullone	
Synonyms	: 9-Cyano-1-azapaullone	
Cat No.	: M16568	
CAS Number	: 914088-64-5	
Molecular Formula	: C ₁₆ H ₁₀ N ₄ O	
Formula Weight	: 274.28	
Chemical Name	: 6-Oxo-5,6,7,12-tetrahydropyrido(3',2'-2,3)azepino(4,5-b)indole-9-carbonitrile	
Description	Cazpaullone (9-Cyano-1-azapaullone) is a derivative of 1-Azakenpaullone, a potent, selective GSK3β inhibitor with IC ₅₀ of 8 nM, weakly inhibits CDK1/cyclin B and CDK5/p25 (IC ₅₀ =0.5 and 0.3 μM); stimulates INS-1E beta cell replication and protects INS-1E cells against glucolipotoxicity induced cell death, also stimulates the replication of primary beta cells in isolated rat islets.	
Pathway	: PI3K/Akt/mTOR signaling	
Target	: GSK-3	
Receptor	: GSK-3	
Solubility	: —	
SMILES	: <chem>N#CC1=CC2=C(NC3=C2CC(NC4=CC=CN=C43)=O)C=C1</chem>	
Storage	: (-20°C)	
Stability	: ≥ 2 years	
Reference	:	

1. Stukenbrock H, et al. J Med Chem. 2008 Apr 10;51(7):2196-207.