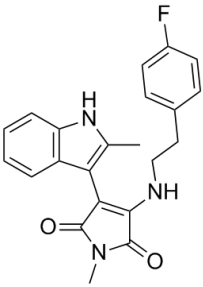


Product Name	: IM-12	
Synonyms	: IM 12;IM12	
Cat No.	: M10456	
CAS Number	: 1129669-05-1	
Molecular Formula	: C ₂₂ H ₂₀ FN ₃ O ₂	
Formula Weight	: 377.41	
Chemical Name	: 1H-Pyrrole-2,5-dione, 3-[[2-(4-fluorophenyl)ethyl]amino]-1-methyl-4-(2-methyl-1H-indol-3-yl)-	
Description	: IM-12 is a novel potent GSK-3 β inhibitor with IC ₅₀ of 53 nM, significantly increases the β -catenin level and activates canonical Wnt signalling; attenuates cell proliferation of ReNcell VM cells, induces nuclear accumulation of beta-catenin.	
Pathway	: PI3K/Akt/mTOR signaling	
Target	: GSK-3	
Receptor	: GSK-3 β	
Solubility	: DMSO: $\geq$ 54.9 mg/mL	
SMILES	: <chem>FC(C=C1)=CC=C1CCNC(C2=O)=C(C(N2C)=O)C(C3=C(C=CC=C3)N4)=C4C</chem>	
Storage	: (-20°C)	
Stability	: $\geq$ 2 years	
Reference	:	

1. Schmlle AC, et al. Bioorg Med Chem. 2010 Sep 15;18(18):6785-95.