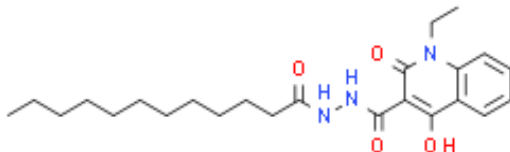


Product Data Sheet

Cas No.:	331963-27-0	Cat. No:	PL07358
Product Name:	GSK3-IN-3		
Product synonym:	-		
Chemical name:	GSK3-IN-3		
MF:	C24H35N3O4	FW:	429.552406549454
Purity:	-	Batch No.:	-
Storage:			
Structural formula:			
λmax:	-	Formulation:	-
Solubility :			
SMILES :	N1(CC)C2=C(C=CC=C2)C(O)=C(C(NNC(=O)CCCCCCCCC)=O)C1=O		
InChI Code:	-		
InChI Key:			
WARNING This product is not for human or veterinary use.			

Product Description

GSK3-IN-3 是一种线粒体自噬 (mitophagy) 诱导剂, 可诱导帕金依赖性线粒体自噬。GSK3-IN-3 也是一种 GSK-3 抑制剂, IC₅₀ 值为 3.01 μM。GSK3-IN-3 具有非 ATP 和非底物竞争性, 对 6-OHDA 有神经保护作用。

生物活性	GSK3-IN-3 is a mitophagy inducer, inducing Parkin-dependent mitophagy. GSK3-IN-3 is also a GSK-3 inhibitor with an IC ₅₀ value of 3.01 μM. GSK3-IN-3 is non-ATP nor substrate competitive and is neuroprotective against 6-OHDA.
IC ₅₀ & Target[1][2]	IC ₅₀ : 3.01 μM (GSK-3)
体外研究(In Vitro)	GSK3-IN-3 (VP07) (25 μM; 24 小时) 在表达 Parkin 的 U2OS-iMLS 细胞中诱导线粒体自噬, 但效力有限。 GSK3-IN-3 (1.56-25 μM; 24 小时) 导致 U2OS-iMLS-Parkin 细胞发生线粒体分裂和线粒体形态变化。 GSK3-IN-3 (VP0.7) (5 μM, 10 μM;) 在 SH-SY5Y 细胞的帕金森病体外细胞模型中显示出针对 6-OHDA 的神经保护作用。< br/> has not independently confirmed the accuracy of these methods. They are for reference only.Immunofluorescence
包装储存	Powder -20°C 3 years; In solvent -80°C 6 months
溶解度数据	In Vitro: DMSO : 4.17 mg/mL (9.71 mM; ultrasonic and warming and heat to 60°C)配制储备液