Product Name	:	JGB1741
Synonyms	:	ILS-JGB-1741
Cat No.	:	M27505
CAS Number	:	1256375-38-8
Molecular Formula	:	C27H24N2O2S
Formula Weight	:	440.6
Chemical Name	:	——
Description	:	JGB1741 is a potent and selective inhibitor of SIRT1 with an IC50 of 15 μM. JGB1741 modulates Bax/Bcl2 ratio, cytochrome c release and PARP cleavage and increases the acetylated p53 levels leading to p53-mediated apoptosis. JGB1741 can be used in studies about breast cancer.(In Vitro):JGB1741 (1-10000 nM) inhibits the cell proliferation of K562, HepG2 and MDA-MB 231 cell lines. JGB1741 (0.01-1 μM) induces apoptosis of MDA-MB 231 and shows a cell cycle arrest at G1 phase with more cells entering into sub G0/G1 phase. JGB1741 (0.01-1 μM) increases the global acetylation of H3K9, acetylated p53K382 levels and p53 expression.
Pathway	:	Chromatin/Epigenetic
Target	:	Sirtuin
Receptor	:	Aurora B
Solubility	:	——
SMILES	:	C(NCC1=CC=CC=C1)(=O)C=2C3=C(SC2/N=C/C=4C5=C(C=CC4O)C=CC=C5)CCCC3
Storage	:	(-20℃)
Stability	:	≥ 2 years
Reference	:	

1.1. Naga Rajiv Lakkaniga,et al. Discovery of SP-96, the first non-ATP-competitive Aurora Kinase B inhibitor, for reduced myelosuppression.Eur J Med Chem. 2020 Jul 12;203:112589.