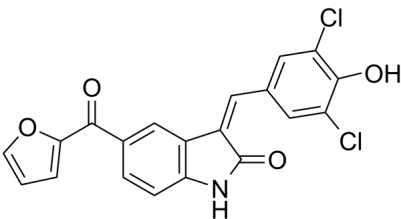


Certificate of Analysis

Catalog Number	BP12504
Product Name	GW406108X

Physical and Chemical Properties

Synonyms	GW108X
CAS No.	1644443-92-4
Chemical Formula	C ₂₀ H ₁₁ Cl ₂ NO ₄
Molecular Weight	400.21
Solubility	DMSO: 45mg/ml(112.44mM), Need ultrasonic
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	GW108X is a Kif15 inhibitor with an IC50 of 0.82 uM in ATPase assays. GW837331X is also an ULK1 kinase inhibitor with pIC50 values of 6.37 (427 nM) and block autophagic flux.
Targets&IC50	Kif15:0.82 μM, ULK1:PIC50=6.37
In vitro	GW406108X were acting upon ULK1 and autophagy without affecting mTOR or AMPK activity as shown by monitoring ULK1 pS758 (mTOR site) or pS556 (AMPK site) levels.

Analytical Data

HPLC	Shows Min >99% purity
H-NMR	Consistent with structure
Stability and Solubility Advice	Information on product stability, especially in solution, has rarely been reported and in most cases we can only provide a general guideline. We recommend that once the stock solution has been prepared, it be stored in equal quantities in sealed vials and used within 1 month. Avoid repeated freezing and thawing cycles. Storage conditions for some special products should be referred to their storage details.

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