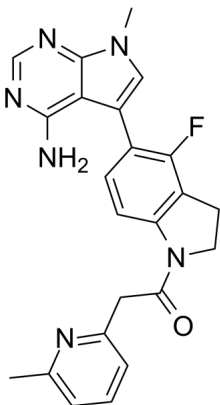


Certificate of Analysis

Catalog Number	BP10387
Product Name	GSK2656157

Physical and Chemical Properties

CAS No.	1337532-29-2
Chemical Formula	C ₂₃ H ₂₁ FN ₆ O
Molecular Weight	416.46
Solubility	H ₂ O: <1 mg/mL Ethanol: <1 mg/mL; DMSO: 30 mg/mL (72 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	

Product Information

Description	GSK2656157 is a highly specific and ATP-competitive PERK inhibitor (IC ₅₀ : 0.9 nM) in a cell-free assay. The selectivity is 500-fold higher against a panel of 300 kinases.
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Targets&IC50	PERK: 0.9 nM
In vitro	Antiproliferative activity of GSK2656157 against multiple human tumor cell lines as well as primary human microvascular endothelial cells is evaluated in a 3-day proliferation assay using standard culture medium. In the absence of exogenous UPR inducers, GSK2656157 has no significant effect on the growth of any of these cells with IC50 range of 6-25 mM. (Only for Reference)

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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