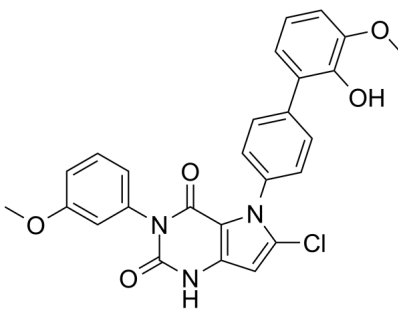


Certificate of Analysis

Catalog Number	BP10402
Product Name	GSK621

Physical and Chemical Properties

CAS No.	1346607-05-3
Chemical Formula	C ₂₆ H ₂₀ ClN ₃ O ₅
Molecular Weight	489.91
Solubility	Ethanol: <1 mg/mL H ₂ O: <1 mg/mL; DMSO: 90 mg/mL (183.7 mM)
Storage	Powder: -20°C for 2 years In solvent: -80°C for 1 year
Chemical Structure OR Tested Image	 <p>The chemical structure of GSK621 is a complex molecule. It features a central pyrazole ring. One nitrogen of the pyrazole is substituted with a 4-methoxyphenyl group. The other nitrogen is part of a fused ring system that includes a pyridine ring with a chlorine atom at the 2-position. Additionally, there is a 3-methoxy-4-hydroxyphenyl group attached to the pyrazole ring.</p>

Product Information

Description	GSK621 is a specific and potent AMPK activator.
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In vitro	Twenty AML cell lines are treated with log10 dilutions of GSK621 and relative viability is determined by CellTiter-Glo assay. IC50 of GSK621 among these 20 cell lines is calculated using the Prism software and are presented as log[C] with [C] in mol/l (M). Results are presented for 5 different cell lines per panel.(Only for Reference)
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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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