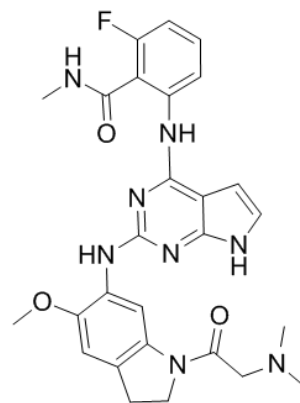


Product Name : GSK1838705A
Cat. No. : PC-43330
CAS No. : 1116235-97-2
Molecular Formula : C₂₇H₂₉FN₈O₃
Molecular Weight : 532.5693
Target : Anaplastic Lymphoma Kinase (ALK)
Solubility : 10 mM in DMSO



Biological Activity

GSK1838705A is a potent, specific inhibitor of IGF-IR and insulin receptor (IR) with IC₅₀ of 2.0 and 1.6 nM, also is a potent inhibitor of ALK with IC₅₀ of 0.5 nM; display excellent kinase selectivity on a panel of 224 unique protein kinases with only 7 additional kinases to be inhibited by >50% at 0.3 μM; inhibits a panel of cell lines derived from solid and hematologic tumors with IC₅₀ of 20 nM-8 μM (NCI-H929 IC₅₀=197 nM); causes complete regression of ALK-dependent tumors, retards the growth of human tumor xenografts in vivo with minimal effects on glucose homeostasis.

References

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Kelleher FC, et al. Eur J Cancer. 2010 Sep;46(13):2357-68.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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