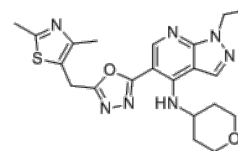


Product Name : GSK356278
Cat. No. : PC-60657
CAS No. : 720704-34-7
Molecular Formula : C₂₁H₂₅N₇O₂S
Molecular Weight : 439.538
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

GSK356278 is a potent, selective, brain-penetrant and orally bioavailable phosphodiesterase 4 (**PDE4**) inhibitor with pIC₅₀ of 8.8 (PDE4B).

GSK356278 equally inhibits PDE4A and PDE4D with pIC₅₀ of 8.6 and 8.7, exhibits >100-fold selectivity for PDE4B over the other 10 PDEs.

GSK356278 inhibits LPS-induced release of TNF- α in human whole blood with pIC₅₀ of 7.6, demonstrates anxiolytic and cognition-enhancing effects without inducing side effects in models of anxiety.

References

Rutter AR, et al. *J Pharmacol Exp Ther.* 2014 Jul;350(1):153-63.

van der Aart J, et al. *J Cereb Blood Flow Metab.* 2017 Jan 1:271678X17720868.

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

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