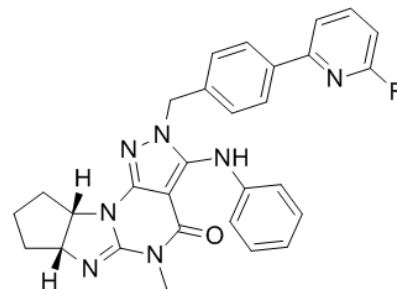


Product Name : ITI214 free base
Cat. No. : PC-43067
CAS No. : 1160521-50-5
Molecular Formula : C₂₉H₂₆FN₇O
Molecular Weight : 507.5614
Target : Phosphodiesterase (PDE)
Solubility : 10 mM in DMSO



Biological Activity

ITI-214 is a potent, selective phosphodiesterase 1 (**PDE1**) inhibitor with K_i of 58 pM, displays >1,000-fold selectivity over PDE4A/4D and other PDE isoforms.

ITI-214 improves the memory processes of acquisition, consolidation, and retrieval across a broad dose range (0.1-10 mg/kg, po) without disrupting the antipsychotic-like activity of a clinical antipsychotic medication.

ITI-214 shows potential for schizophrenia and Alzheimer's disease, movement disorders, attention deficit and hyperactivity disorders, and other central nervous system (CNS) and non-CNS disorders.

References

Li P, et al. *J Med Chem.* 2016 Feb 11;59(3):1149-64.

Snyder GL, et al. *Psychopharmacology (Berl).* 2016 Sep;233(17):3113-24.

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

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