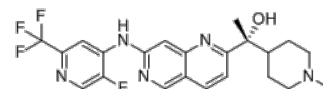


Product Name : GFB-12811
Cat. No. : PC-72894
CAS No. : 2775311-17-4
Molecular Formula : C₂₂H₂₃F₄N₅O
Molecular Weight : 449.454
Target : Cyclin-dependent Kinase (CDK)
Solubility : 10 mM in DMSO



Biological Activity

GFB-12811 (GFB12811) is a potent, highly selective **CDK5** inhibitor with IC₅₀ of 2.3 nM.

GFB-12811 is highly selective (>100-fold) over other CDKs (CDK1/2/6/7/9).

GFB-12811 demonstrated CDK5 target engagement while avoiding anti-proliferative effects associated with inhibiting other CDKs in cellular assays.

GFB-12811 exhibits promising in vivo PK profiles, enabling the use as tool compounds for interrogating the role of CDK5 in autosomal dominant polycystic kidney disease (ADPKD) and other diseases.

References

Daniels MH, et al. *J Med Chem.* 2022 Feb 24;65(4):3575-3596.

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

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