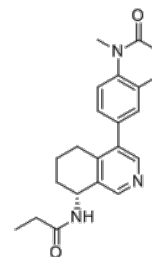


Product Name : Baxdrostat
Cat. No. : PC-38384
CAS No. : 1428652-17-8
Molecular Formula : C₂₂H₂₅N₃O₂
Molecular Weight : 363.461
Target : Cytochrome P450 (CYPs)
Solubility : 10 mM in DMSO

1. Bogman K, Schwab D, Delporte ML, Palermo G, Amrein K, Mohr S, et al.



Biological Activity

Baxdrostat (CIN-107, RO6836191) is a highly potent, selective, and competitive small molecule inhibitor of **aldosterone synthase (CYP11 B2, steroid 18-hydroxylase)** with K_i of 13 nM, >100-fold over 11β-hydroxylase.

Baxdrostat (CIN-107, RO6836191) inhibited aldosterone synthesis without affecting the adrenocorticotrophic hormone-induced rise in cortisol.

Baxdrostat (CIN-107, RO6836191) suppresses aldosterone production completely in humans without affecting cortisol production.

References

Preclinical and early clinical profile of a highly selective and potent oral inhibitor of aldosterone synthase (CYP11B2). *Hypertension*. 2017;69:189–96.

