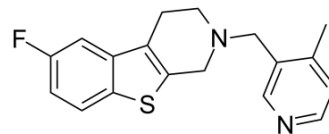


CYP17-IN-1

Cat. No.:	HY-101516
CAS No.:	2093317-51-0
Molecular Formula:	C ₁₈ H ₁₇ FN ₂ S
Molecular Weight:	312.4
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	CYP17-IN-1 (compound 9c) is a potent and orally active CYP17 inhibitor against rat and human CYP17 with IC ₅₀ s of 15.8 and 20.1 nM ^[1] .
IC ₅₀ & Target	IC ₅₀ : 15.8 nM (Rat CYP17), 20.1 nM (Human CYP17) ^[1]
In Vitro	CYP17-IN-1 (compound 9c) exhibits an IC ₅₀ value of 8.5 μM against CYP3A4 ^[1] .
In Vivo	CYP17-IN-1 (compound 9c) reduces plasma testosterone level in a dose-dependent manner in Sprague-Dawley rats ^[1] .

REFERENCES

[1]. Wang M, et al. Discovery of novel 1,2,3,4-tetrahydrobenzo[4,5]thieno[2,3-c]pyridine derivatives as potent and selective CYP17 inhibitors. *Eur J Med Chem.* 2017 May 26;132:157-172.

Caution: Product has not been fully validated for medical applications. For research use only.

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA