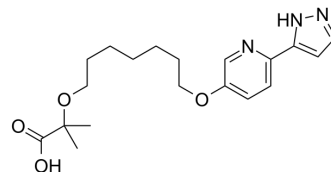


CYP4A11/CYP4F2-IN-2

Cat. No.:	HY-149770
CAS No.:	2280834-99-1
Molecular Formula:	C ₁₉ H ₂₇ N ₃ O ₄
Molecular Weight:	361.44
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CYP4A11/CYP4F2-IN-2 (compound 15) is an orally available inhibitor of CYP4A11/4F2 with IC ₅₀ s of 120 nM and 220 nM, respectively. CYP4A11/CYP4F2-IN-2 inhibits 20-HETE production in rat kidney and has potential inhibitory effects on diabetic nephropathy and autosomal dominant polycystic kidney disease ^[1] .
IC ₅₀ & Target	CYP4A11, CYP4F2 ^[1]

REFERENCES

[1]. Kawamura M et al. Introduction of a carboxylic acid group into pyrazolylpyridine derivatives increased selectivity for inhibition of the 20-HETE synthase CYP4A11/4F2[J]. Bioorganic & Medicinal Chemistry, 2023: 117505.

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

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