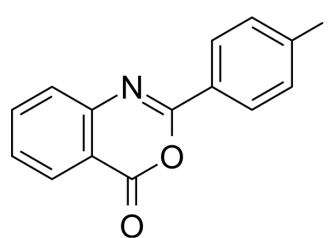


CYP1B1-IN-5

Cat. No.:	HY-152196
CAS No.:	176442-56-1
Molecular Formula:	C ₁₄ H ₈ INO ₂
Molecular Weight:	349.12
Target:	Cytochrome P450
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	CYP1B1-IN-5 (Compound 6q) is a potent and selective cytochrome P450 1B1 (CYP1B1) inhibitor with an IC ₅₀ of 4.7 nM ^[1] .		
IC₅₀ & Target	CYP1B1 4.7 nM (IC ₅₀)	CYP1A1 190.7 nM (IC ₅₀)	CYP1A2 585.7 nM (IC ₅₀)
In Vitro	CYP1B1-IN-5 (Compound 6q) fits well into the binding pocket of CYP1B1, by forming π-π stacking interactions with residue Phe231, Phe134 and heme ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.		

REFERENCES

[1]. Yi L, et al. A new class of CYP1B1 inhibitors derived from bentranyl. *Bioorg Med Chem Lett*. 2022 Dec 21;80:129112.

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