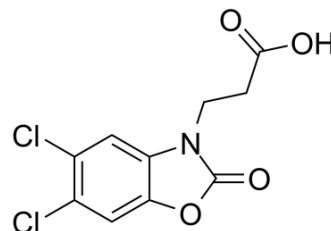


GSK180

Cat. No.:	HY-112179
CAS No.:	1799725-26-0
Molecular Formula:	C ₁₀ H ₇ Cl ₂ NO ₄
Molecular Weight:	276.07
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the COA.



BIOLOGICAL ACTIVITY

Description	GSK180 is a selective, competitive, and potent inhibitor of kynurenine-3-monooxygenase (KMO), a key enzyme of tryptophan metabolism (IC ₅₀ , ~6 nM), but shows negligible activity against other enzymes on the tryptophan pathway. GSK180 rapidly changes levels of kynurenine pathway metabolites, and acts as a useful tool to probe the therapeutic potential of KMO inhibition ^[1] .
IC₅₀ & Target	IC ₅₀ : ~6 nM (KMO) ^[1]
In Vitro	GSK180 inhibits endogenous KMO activity in primary human hepatocytes (IC ₅₀ =2.6 μM). GSK180 inhibits rat KMO slightly less potently than the human enzyme (IC ₅₀ =7 μM) ^[1] .
In Vivo	GSK180 is proper for i.v. administration ^[1] .

REFERENCES

[1]. Mole DJ, et al. Kynurenine-3-monooxygenase inhibition prevents multiple organ failure in rodent models of acute pancreatitis. Nat Med. 2016 Feb;22(2):202-9.

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

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