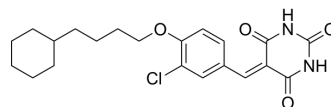


UK4b

Cat. No.:	HY-162387
CAS No.:	2171000-87-4
Molecular Formula:	C ₂₁ H ₂₅ ClN ₂ O ₄
Molecular Weight:	404.89
Target:	PGE synthase
Pathway:	Immunology/Inflammation
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	UK4b is a highly selective microsomal prostaglandin E2 synthase-1 (mPGES-1) inhibitor. UK4b possesses anti-inflammatory and analgesic effects. UK4b can block the growth of abdominal aortic aneurysms in mice ^[1] .
In Vivo	UK4b (10-20 mg/kg; s.c.; twice daily for 22 consecutive days) can block the further growth of abdominal aortic aneurysms (AAA) in an ApoE ^{-/-} angiotensin (Ang) II (1000 ng/kg/min; infusion for 28 consecutive days) -induced mouse model of AAA ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Weaver L M, et al. A highly selective mPGES-1 inhibitor to block abdominal aortic aneurysm progression in the angiotensin mouse model[J]. Scientific Reports, 2024, 14(1): 6959.

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

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