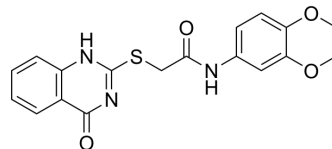


AST 7062601

Cat. No.:	HY-153812
CAS No.:	675197-89-4
Molecular Formula:	C ₁₈ H ₁₅ N ₃ O ₄ S
Molecular Weight:	369.39
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	AST 7062601 (AST070) is a Ucp1 inducer that strongly induces endogenous Ucp1 expression in primary mouse brown adipocytes. Ucp1 refers to uncoupling protein, found in brown and beige fat cells. In mammals, UCP1 oxidizes fatty acids and uncouples ATP production in mitochondria to promote energy dissipation as heat. AST 7062601 can be used to study thermogenic, uncoupled respiration ^[1] .
IC ₅₀ & Target	Ucp1 ^[1]

REFERENCES

[1]. Vergnes L, et al. Induction of UCP1 and thermogenesis by a small molecule via AKAP1/PKA modulation. J Biol Chem. 2020 Oct 30;295(44):15054-15069.

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

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