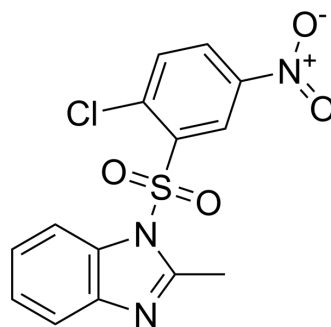


BIM5078

Cat. No.:	HY-119971
CAS No.:	337506-43-1
Molecular Formula:	C ₁₄ H ₁₀ ClN ₃ O ₄ S
Molecular Weight:	351.76
Target:	Others
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BIM5078 is a hepatocyte nuclear factor 4α (HNF4α) antagonist that can inhibit the expression of known HNF4α target genes. BIM5078 represses insulin promoter activity through HNF4α antagonism. BIM5078 can be used for the research of cancer and diabetes ^[1] .
IC₅₀ & Target	hepatocyte nuclear factor 4α (HNF4α) ^[1]
In Vitro	BIM5078 (0.63-5μM; 48 h) inhibits the expression of endogenous insulin in T6PNE cells with IC ₅₀ value of 930 nM ^[1] . BIM5078 (2.5-10 μM; 5-48 h) inhibits HNF4α gene expression in HepG2 cells ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Kiselyuk A, et al. HNF4α antagonists discovered by a high-throughput screen for modulators of the human insulin promoter. Chem Biol. 2012 Jul 27;19(7):806-18.

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

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