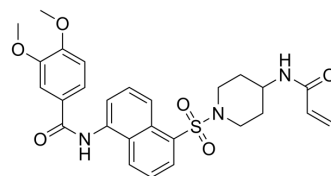


BJJF078

Cat. No.:	HY-145933
CAS No.:	2531244-56-9
Molecular Formula:	C ₂₇ H ₂₉ N ₃ O ₆ S
Molecular Weight:	523.6
Target:	Glutaminase
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BJJF078 is an aminopiperidine derivative. BJJF078 is a potent inhibitor of recombinant human and mouse Transglutaminase enzyme (TG2) activity, IC ₅₀ values of 41 and 54 nM, respectively. BJJF078 also inhibits the close related enzyme TG1, with an IC ₅₀ of 0.16 μM. BJJF078 can be used for Multiple sclerosis (MS) research ^[1] .
IC ₅₀ & Target	IC50: 41 nM (hTG2), 54 nM (mTG2), 0.16 μM (TG1) ^[1]

REFERENCES

[1]. Chrobok NL, et al. Characterization of Transglutaminase 2 activity inhibitors in monocytes in vitro and their effect in a mouse model for multiple sclerosis. PLoS One. 2018 Apr 24;13(4):e0196433.

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

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