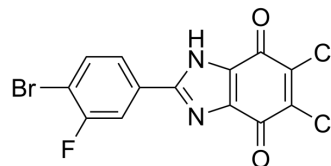


MD102

Cat. No.:	HY-162141
CAS No.:	2755794-94-4
Molecular Formula:	C ₁₃ H ₄ BrCl ₂ FN ₂ O ₂
Molecular Weight:	389.99
Target:	Glutaminase; Apoptosis
Pathway:	Metabolic Enzyme/Protease; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

MD102 is a potent TG2 inhibitor with an IC₅₀ value of 0.35 μM. MD102 stabilizes p53 by inhibiting TG2, inducing a decrease in p-AKT and p-mTOR downstream signaling, leading to tumor cell apoptosis^[1].

REFERENCES

[1]. Kim GR, et al. Discovery of novel 1H-benzo[d]imidazole-4,7-dione based transglutaminase 2 inhibitors as p53 stabilizing anticancer agents in renal cell carcinoma. Bioorg Chem. 2023 Dec 25;143:107061.

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

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