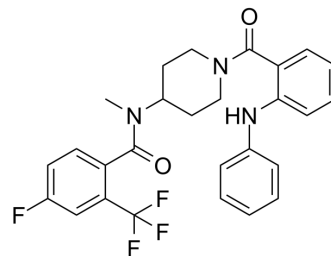


SMO-IN-3

Cat. No.:	HY-150567
CAS No.:	2376914-71-3
Molecular Formula:	C ₂₇ H ₂₅ F ₄ N ₃ O ₂
Molecular Weight:	499.5
Target:	Smo; Hedgehog
Pathway:	Stem Cell/Wnt
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	SMO-IN-3 (compound 12a) is a potent smoothened (SMO) inhibitor with an IC ₅₀ value of 34.09 nM for hedgehog (Hh) signaling pathway. SMO-IN-3 has antiproliferative activity against human medulloblastoma cell line Daoy. Anticancer activity ^[1] .
IC₅₀ & Target	IC ₅₀ : 34.09 nM (Hh) ^[1]
In Vitro	SMO-IN-3 (compound 12a) has antiproliferative activity against human medulloblastoma cell line Daoy with an IC ₅₀ of 0.48 μM ^[1] . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

REFERENCES

[1]. Ji D, et al. Design, synthesis and biological evaluation of anthranilamide derivatives as potent SMO inhibitors. *Bioorg Med Chem*. 2020 Mar 15;28(6):115354.

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

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