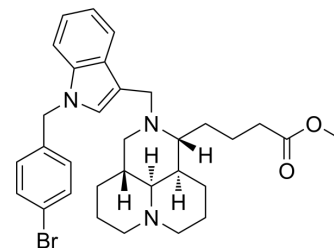


Anticancer agent 147

| | |
|--------------------|---|
| Cat. No.: | HY-155158 |
| CAS No.: | 2241283-11-2 |
| Molecular Formula: | C ₃₂ H ₄₀ BrN ₃ O ₂ |
| Molecular Weight: | 578.58 |
| Target: | Ferroptosis |
| Pathway: | Apoptosis |
| Storage: | Please store the product under the recommended conditions in the Certificate of Analysis. |



BIOLOGICAL ACTIVITY

Description

Anticancer agent 147 (compound 6j) is a derivative of sophoridine (HY-N1373) and is a ferroptosis inducer. Anticancer agent 147 can promote the accumulation of intracellular Fe²⁺, reactive oxygen species (ROS) and MDA, increase ER stress, and upregulate the expression of the activating transcription factor ATF3. Anticancer agent 147 has good anti-liver cancer effects in vitro and in vivo^[1].

REFERENCES

[1]. Tian K, et al. Sophoridine derivative 6j inhibits liver cancer cell proliferation via ATF3 mediated ferroptosis. *Cell Death Discov.* 2023 Aug 14;9(1):296..

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

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