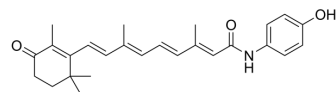


4-Oxofenretinide

Cat. No.:	HY-109583
CAS No.:	865536-65-8
Molecular Formula:	C ₂₆ H ₃₁ NO ₃
Molecular Weight:	405.53
Target:	Apoptosis; Reactive Oxygen Species; Drug Metabolite
Pathway:	Apoptosis; Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

4-Oxofenretinide (4-Oxo-4-HPR) is a metabolite of Fenretinide (HY-15373). 4-Oxofenretinide induces cell growth inhibition in ovarian, breast, and neuroblastoma tumor cell lines. 4-Oxofenretinide causes a marked accumulation of cells in G2-M. 4-Oxofenretinide induces cancer cell apoptosis through caspase-9^[1].

REFERENCES

- [1]. Villani MG, et al. 4-oxo-fenretinide, a recently identified fenretinide metabolite, induces marked G2-M cell cycle arrest and apoptosis in fenretinide-sensitive and fenretinide-resistant cell lines. *Cancer Res.* 2006 Mar 15;66(6):3238-47.
- [2]. Villani MG, et al. 4-oxo-fenretinide, a recently identified fenretinide metabolite, induces marked G2-M cell cycle arrest and apoptosis in fenretinide-sensitive and fenretinide-resistant cell lines. *Cancer Res.* 2006 Mar 15;66(6):3238-47.

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

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