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Diagnostik & molekulare Diagnostik



Laborgeräte & Service

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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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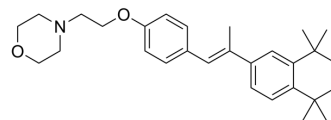
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Mofarotene

Cat. No.:	HY-127149
CAS No.:	125533-88-2
Molecular Formula:	C ₂₉ H ₃₉ NO ₂
Molecular Weight:	433.63
Target:	Apoptosis; Reactive Oxygen Species; Caspase
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	Mofarotene (Ro 40-8757), an arotinoid, is anticancer compound. Mofarotene induces apoptosis, associated with mitochondrial membrane depolarization, activation of caspase-3 and -9, and enhanced production of reactive oxygen species. Mofarotene inhibits hematopoiesis in vitro by inhibiting maturation from primitive progenitor cells ^{[1][2][3]} .	
IC ₅₀ & Target	Caspase 3	Caspase-9

REFERENCES

- [1]. Valles B, et al. Metabolism of mofarotene in hepatocytes and liver microsomes from different species. Comparison with in vivo data and evaluation of the cytochrome P450 isoenzymes involved in human biotransformation. Drug Metab Dispos. 1995 Oct;23(10):1051-7.
- [2]. Eliason JF, et al. Mofarotene (Ro 40-8757) inhibits hematopoiesis in vitro by preventing maturation from primitive progenitor cells. Blood. 1995 Dec 15;86(12):4516-26.
- [3]. Cariati R, et al. Inhibition of oxidative phosphorylation underlies the antiproliferative and proapoptotic effects of mofarotene (Ro 40-8757) in Burkitt's lymphoma cells. Oncogene. 2003 Feb 13;22(6):906-18.

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

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