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Produktinformation



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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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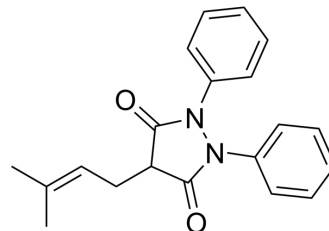
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Feprazone (Standard)

Cat. No.:	HY-114911R
CAS No.:	30748-29-9
Molecular Formula:	C ₂₀ H ₂₀ N ₂ O ₂
Molecular Weight:	320.39
Target:	COX; Reactive Oxygen Species; MMP
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Feprazone (Standard) is the analytical standard of Feprazone. This product is intended for research and analytical applications. Feprazone (DA2370; Prenazone), an analogue of Phenylbutazone (HY-B0230), is a nonsteroidal anti-inflammatory agent with analgesic and antipyretic activities. Feprazone acts by inhibiting the activity of cyclooxygenase (COX)-2. Feprazone ameliorates free fatty acid (FFA)-induced oxidative stress by reducing the production of mitochondrial reactive oxygen species (ROS). Feprazone can decrease the expression of MMP-2 and MMP-9. Besides, Feprazone can suppress adipogenesis and increase lipolysis in differentiating 3 T3-L1 cells. Feprazone also can be used to research atherosclerosis and obesity ^{[1][2][3]} .
IC₅₀ & Target	COX, Reactive oxygen species, MMP ^[1]

REFERENCES

- [1]. Song M, et al. Feprazone Prevents Free Fatty Acid (FFA)-Induced Endothelial Inflammation by Mitigating the Activation of the TLR4/MyD88/NF-κB Pathway. *ACS Omega*. 2021 Feb 9;6(7):4850-4856.
- [2]. Fletcher MR, et al. Feprazone, a new anti-inflammatory agent. Studies of potency and gastrointestinal tolerance. *Ann Rheum Dis*. 1975 Apr;34(2):190-4.
- [3]. Che L, et al. Feprazone Displays Antiadipogenesis and Antiobesity Capacities in in Vitro 3 T3-L1 Cells and in Vivo Mice. *ACS Omega*. 2021 Mar 7;6(10):6674-6680.

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

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