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Lieferung & Zahlungsart

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Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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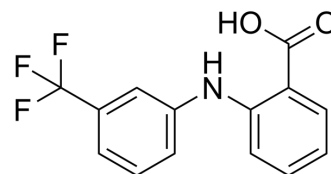
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Flufenamic acid (Standard)

Cat. No.:	HY-B1221R
CAS No.:	530-78-9
Molecular Formula:	C ₁₄ H ₁₀ F ₃ NO ₂
Molecular Weight:	281.23
Target:	Parasite; COX; AMPK; Potassium Channel; Chloride Channel; Calcium Channel
Pathway:	Anti-infection; Immunology/Inflammation; Epigenetics; PI3K/Akt/mTOR; Membrane Transporter/Ion Channel; Neuronal Signaling
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	Flufenamic acid (Standard) is the analytical standard of Flufenamic acid. This product is intended for research and analytical applications. Flufenamic acid is a non-steroidal anti-inflammatory agent, inhibits cyclooxygenase (COX), activates AMPK, and also modulates ion channels, blocking chloride channels and L-type Ca ²⁺ channels, modulating non-selective cation channels (NSC), activating K ⁺ channels. Flufenamic acid binds to the central pocket of TEAD2 YBD and inhibits both TEAD function and TEAD-YAP-dependent processes, such as cell migration and proliferation.
IC₅₀ & Target	COX, Chloride Channel, Calcium Channel, Potassium Channel ^[1] , AMPK ^[2]

REFERENCES

- [1]. Guinamard R, et al. Flufenamic acid as an ion channel modulator. *Pharmacol Ther.* 2013 May;138(2):272-84.
- [2]. Pongkorsakol P, et al. Flufenamic acid protects against intestinal fluid secretion and barrier leakage in a mouse model of *Vibrio cholerae* infection through NF-κB inhibition and AMPK activation. *Eur J Pharmacol.* 2017 Mar 5;798:94-104.
- [3]. Pongkorsakol P, et al. Cellular mechanisms underlying the inhibitory effect of flufenamic acid on chloride secretion in human intestinal epithelial cells. *J Pharmacol Sci.* 2017 Jun;134(2):93-100.
- [4]. Pobbati AV, et al. Targeting the Central Pocket in Human Transcription Factor TEAD as a Potential Cancer Therapeutic Strategy. *Structure.* 2015;23(11):2076-2086.

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

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