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## Produktinformation



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### Lieferung & Zahlungsart

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### Zuschläge

- Mindermengenzuschlag
- Trockeneiszuschlag
- Gefahrgutzuschlag
- Expressversand

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# Flupirtine Maleate

Kv7 channel activator  
Catalog No. SIH-376



Discovery through partnership | Excellence through quality

## Overview

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### Product Name

Flupirtine maleate

### Description

Kv7 channel activator

### Purity

>98% (HPLC)

### CAS No.

75507-68-5

### Molecular Formula

C<sub>17</sub>H<sub>19</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>

### Molecular Weight

420.4

## Properties

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### Storage Temperature

-20°C

### Shipping Temperature

Shipped Ambient

### Product Type

Activator

### Solubility

Soluble in DMSO (100 mM) and ethanol (10 mM)

### Source

Synthetic

### Appearance

White solid

### SMILES

CCOC(=O)NC1=C(N=C(C=C1))NCC2=CC=C(C=C2)F)N.C(=CC(=O)O)C(=O)O

### InChI

InChI=1S/C<sub>17</sub>H<sub>19</sub>F<sub>3</sub>N<sub>3</sub>O<sub>4</sub>.C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>/c1-2-22-15(21)19-12-7-8-13(20-14(12)17)18-9-10-3-5-11(16)6-4-10;5-3(6)1-2-4(7)8/h3-8H,2,9H2,1H3,(H

,19,21)(H3,17,18,20);1-2H,(H,5,6)(H,7,8)/b;2-1-

## InChIKey

DPYIXBFZUMCMJM-BTJKTKAUSA-N

## Safety Phrases

Classification: Caution: Substance not yet fully tested.

Safety Phrases:

S22 - Do not breathe dust

S24/25 - Avoid contact with skin and eyes

S36/37/39 - Wear suitable protective clothing, gloves and eye/face protection

## Cite This Product

Flupirtine maleate (StressMarq Biosciences Inc., Victoria BC CANADA, Catalog # SIH-376)

## Biological Description

### Alternative Names

N-[2-Amino-6-[[4-fluorophenyl)methyl]amino]-3-pyridinyl]carbamic acid ethyl ester maleate

### Research Areas

Ion Channels, Neuroscience, Potassium Channels, Voltage-Gated Potassium Channels

### PubChem ID

6435335

### Scientific Background

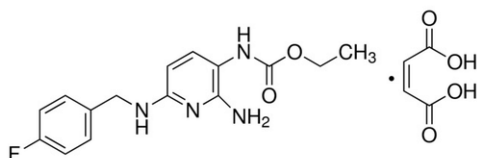
Flupirtine maleate is a triaminopyridine derivative salt. It has non-opioid analgesic, neuroprotection, antiapoptotic and muscle relaxation properties. Oral Flupirtine provides the same analgesic pain relief administered to individuals without the side effects of non-steroidal anti-inflammatory drugs (1-2).

### References

1. Naser SM., Sarkar N., Biswas A., Kamal F., Prakash R., Rahaman QM., Das AK. (2012) J Indian med Assoc. 110(3): 158-60.
2. Harish S., Bhuvana K., Bengalorkar G. and Kumar TN. (2012) J Anaesthesiol Clin Pharmacol. 28(2): 172-177.

## Product Images

Chemical structure of Flupirtine maleate (SIH-376), a Kv7 channel activator. CAS #: 75507-68-5. Molecular Formula: C<sub>15</sub>H<sub>17</sub>FN<sub>4</sub>O<sub>2</sub>.C<sub>4</sub>H<sub>4</sub>O<sub>4</sub>. Molecular Weight: 420.4 g/mol.



## Product Citations (0)

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Currently there are no citations for this product.

## Reviews

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There are no reviews yet.