Phenylmethylsulfonyl fluoride

Inhibitor of serine proteases and FAAH

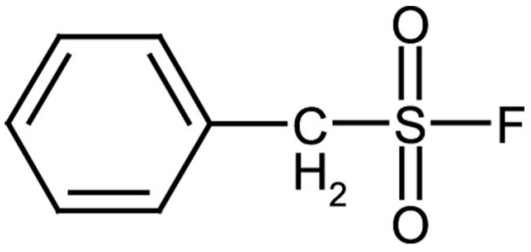
Irreversible inhibitor of serine proteases. Widely used fatty acid amid hydrolase (FAAH) inhibitor for pretreatment of brain membrane preparations when testing CB_1 receptor activity. Spleen membranes used for CB_2 studies do not require this pretreatment, as FAAH activity is absent in these cells. Inhibits also cysteine proteases like papain (reversible by DTT treatment, Prod. No. ALX-280-001), as well as internucleosomal DNA fragmentation in immature thymocytes. For a related, more stable inhibitor see AEBSF (Prod. No. ALX-270-022).

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ALX-270-184-G005	5g
ALX-270-184-G025	25g

Manuals, SDS & CofA View Online »

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	PMSF, Benzylsulfonyl fluoride
Appearance	White to off-white needle crystals.
CAS	329-98-6
Couple Target	FAAH, Serine protease
Couple Type	Inhibitor
Formula	$C_7H_7FO_2S$
MW	174.2
Purity	≥99% (HPLC)
RTECS	XT8040000
Solubility	Soluble in 100% ethanol, methanol or isopropanol; insoluble in water.

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ENZO LIFE SCIENCES, INC.
Phone: 800.942.0430
info-usa@enzolifesciences.com

European Sales Office
ENZO LIFE SCIENCES (ELS) AG
Phone: +41 61 926 8989
info-eu@enzolifesciences.com

Belgium, The Netherlands & Luxembourg
Phone: +32 3 466 0420
info-be@enzolifesciences.com

France
Phone: +33 472 440 655
info-fr@enzolifesciences.com

Germany
Phone: +49 7621 5500 526
info-de@enzolifesciences.com

UK & Ireland
Phone (UK customers): 0845 601 1488
Phone: +44 1392 825900
info-uk@enzolifesciences.com

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