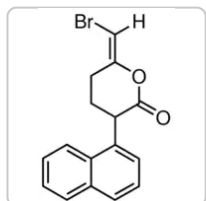


Type in Product Names, Product Numbers, or CAS Numbers to see suggestions.



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Documents

[↓ SDS](#)

[🔍 COO/COA](#)

[📄 Specification Sheet](#)

[More Documents](#) »

B1552 ▶ **Sigma-Aldrich**

Bromoenol lactone

≥98% (TLC)

Synonym(s):

BEL, E-6-(Bromoethylene)tetrahydro-3-(1-naphthyl)-2H-pyran-2-one

Empirical Formula (Hill Notation):

C₁₆H₁₃BrO₂

CAS Number:

88070-98-8

Molecular Weight:

317.18

MDL number:

MFCD00270871

PubChem Substance ID:

24278257

NACRES:

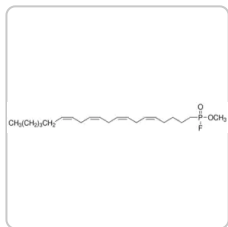
NA.77

SKU	Pack Size	Availability	Price	Quantity
B1552-5MG	5 MG	Only 3 left in stock (more on the way) Details...	€177.00	− +

[Request a Bulk Order](#)

[Add to Cart](#)

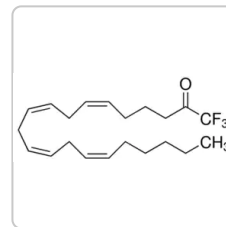
RECOMMENDED PRODUCTS



Sigma-Aldrich

M2939**Methyl arachidonyl fluorophosphonate**

≥98%, methyl acetate solution (10 mg/mL)

[View Price and Availability](#)

Sigma-Aldrich

A231**Arachidonyl trifluoromethyl ketone**

oil, ≥97% (NMR)

[View Price and Availability](#)

PROPERTIES

biological source	synthetic (organic)
Quality Level	200
assay	≥98% (TLC)
form	powder
potency	636 nM K _i
solubility	DMSO: soluble (Dilute in aqueous medium immediately prior to use and store on ice for no more than 12 hours.) degassed ethanol: soluble (Dilute in aqueous medium immediately prior to use and store on ice for no more than 12 hours.)
λ _{max}	224 nm
storage temp.	-20°C

SMILES string	[H]\C(Br)=C1\CCC(C(=O)O1)c2cccc3ccccc23
InChI	1S/C16H13BrO2/c17-10-12-8-9-15(16(18)19-12)14-7-3-5-11-4-1-2-6-13(11)14/h1-7,10,15H,8-9H2/b12-10+
InChI key	BYUCSFWXCMTYOI-ZRDIBKRKSA-N

DESCRIPTION

Packaging

5 mg in glass bottle

Biochem/physiol Actions

Potent, irreversible inhibitor of calcium-independent phospholipase A₂ and of magnesium-dependent phosphatidate phosphohydrolase from P388D macrophages (IC₅₀ = 8 µM); enzyme activated irreversible chymotrypsin inhibitor (K_i = 636 nM).

SAFETY INFORMATION

Storage Class Code

11 - Combustible Solids

WGK

WGK 3

Personal Protective

Equipment

dust mask type N95 (US),

Eyeshields, Gloves

DOCUMENTATION

Certificate of Analysis

Enter Lot Number to search for Certificate of Analysis (COA).

Lot Number

e.g. 023J5431

How to enter Lot Number (COA)

Search

Certificate of Origin

Enter Lot Number to search for Certificate of Origin (COO).

Lot Number

e.g. 023J5431

How to enter Lot Number (COO)

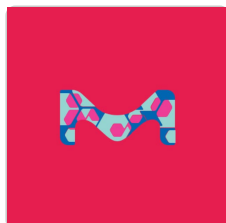
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[SDS](#)

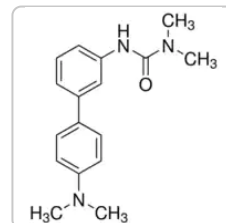
CUSTOMERS ALSO VIEWED



Sigma-Aldrich

SML1100**Varespladib**

≥98% (HPLC)

[View Price and Availability](#)

Sigma-Aldrich

SML1075**Atglistatin**

≥98% (HPLC)

[View Price and Availability](#)

PEER REVIEWED PAPERS

Massive calcium-activated endocytosis without involvement of classical endocytic proteins.

Vincenzo Lariccia et al.*The Journal of general physiology*, 137(1), 111-132 (2010-12-29)

We describe rapid massive endocytosis (MEND) of >50% of the plasmalemma in baby hamster kidney (BHK) and HEK293 cells in response to large Ca transients. Constitutively expressed Na/Ca exchangers (NCX1) are used to generate Ca transients, whereas capacitance recording and

Chromatic summation and receptive field properties of blue-on and blue-off cells in marmoset lateral geniculate nucleus.

C D Eiber et al.*Vision research*, 151, 41-52 (2017-11-14)

The "blue-on" and "blue-off" receptive fields in retina and dorsal lateral geniculate nucleus (LGN) of diurnal primates combine signals from short-wavelength sensitive (S) cone photoreceptors with signals from medium/long wavelength sensitive (ML) photoreceptors. Three questions about this combination remain unresolved.

USP22 mediates the multidrug resistance of hepatocellular carcinoma via the SIRT1/AKT/MRP1 signaling pathway.

Sunbin Ling et al.

Molecular oncology, 11(6), 682-695 (2017-04-19)

Drug treatments for hepatocellular carcinoma (HCC) often fail because of multidrug resistance (MDR). The mechanisms of MDR are complex but cancer stem cells (CSCs), which are able to self-renew and differentiate, have recently been shown to be involved. The deubiquitinating

Interaction between VEGF and calcium-independent phospholipase A2 in proliferation and migration of retinal pigment epithelium.

Anne Katrine Kehler et al.

Current eye research, 37(6), 500-507 (2012-05-15)

Inhibition of VEGF in the eye is an important treatment modality for reducing proliferation and migration of retinal pigment epithelium (RPE) in age-related macular degeneration (AMD). Additionally, previous studies suggest calcium-independent phospholipase A(2) group VIA (iPLA(2)-VIA) to be a potential

Paracrine Proangiogenic Function of Human Bone Marrow-Derived Mesenchymal Stem Cells Is Not Affected by Chronic Kidney Disease.

Femke C C van Rhijn-Brouwer et al.

Stem cells international, 2019, 1232810-1232810 (2020-01-15)

Cell-based therapies are being developed to meet the need for curative therapy in chronic kidney disease (CKD). Bone marrow- (BM-) derived mesenchymal stromal cells (MSCs) enhance tissue repair and induce neoangiogenesis through paracrine action of secreted proteins and extracellular vesicles

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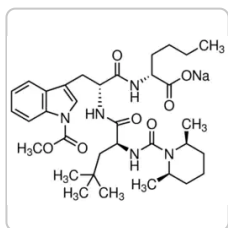
PROTOCOLS AND ARTICLES

Articles

Chymotrypsin

Analytical Enzyme Chymotrypsin: Chymotrypsin is produced in the acinar cells of the pancreas as the inactive precursor, chymotrypsinogen.

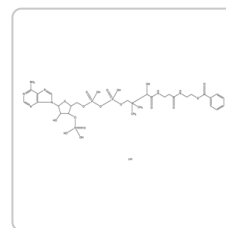
RECENTLY VIEWED PRODUCTS



Sigma-Aldrich

B157**BQ-788**

≥95%, solid

[View Price and Availability](#)

Sigma-Aldrich

B1638**Benzoyl coenzyme A lithium salt**

≥90%

[View Price and Availability](#)

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