HELSS

Phospholipase inhibitor

HELSS is a potent, irreversible, mechanism-based inhibitor of Ca^{2+}-independent PLA_2 (70% inhibition at 100 nM). It possesses a 1000-fold selectivity for Ca^{2+}-independent PLA_2 vs. Ca^{2+}-dependent PLA_2 . It has been used to identify the PLA_2 involved in the release of arachidonate induced by vasopressin stimulation of A-10 smooth muscle cells (IC_{50}=1 μM). It has also been shown to inhibit the Mg^{2+}-dependent phophatidate phosphohydrolase from P388D1 macrophages (IC_{50}~8 μM).

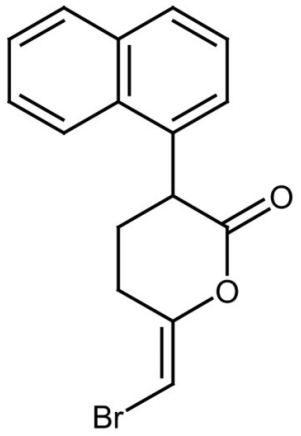
Ordering Information

Order Online »

BML-ST340-0005	5mg
BML-ST340-0025	25mg

Manuals, SDS & CofA

View Online »

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Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Store, as supplied, at -20°C for up to 1 year. Store solutions under at atmosphere of argon or nitrogen at -20°C for up to 1 month.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	Haloenol lactone suicide substrate
Appearance	White solid.
CAS	88070-98-8
Couple Target	Phospholipase, PLA
Couple Type	Inhibitor
Formula	$C_{16}H_{13}BrO_2$
MW	317.2
MeltingPoint	104-106°C
Purity	≥98% (TLC)
Solubility	Soluble in DMSO (25mg/ml).

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