Cerulenin

Fatty acid synthase inhibitor

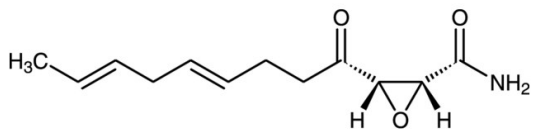
Antibiotic. Fatty acid synthase (FAS) inhibitor reported to bind in equimolar ratio to β-keto-acyl-ACP synthase (KAS; IC_{50}=1.5μM), thus inhibiting protein acylation at concentrations of 45-134 μM. Produces metabolic effects similar to the effects of leptin, but through mechanisms that are independent of, or down-stream from, both leptin and melanocortin receptors. Apoptosis inducer. Inhibitor of bacterial fatty acid synthesis (inhibits FabH, FabB and FabF condensation enzymes).

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Ordering Information Order Online »

BML-G237-0005	5mg
BML-G237-0025	25mg

Manuals, SDS & CofA View Online »


H3C
O
O
NH2
H
O
H

Handling & Storage

Use/Stability	As indicated on product label or CoA when stored as recommended. Stable for at least 1 year after receipt when stored, as supplied, at -20°C. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	-20°C
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	2,3-Epoxy-4-oxo-7,10-dodecadienamide
Appearance	White to off-white solid.
CAS	17397-89-6
Couple Target	Fatty acid synthase
Couple Type	Inhibitor
Formula	$C_{12}H_{17}NO_3$
MI	**14:** 2004
MW	223.3
Purity	≥98% (TLC)
RTECS	JR1670000
Solubility	Soluble in DCM (5mg/ml).

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