Auranofin

Anti-arthritic agent

Gold derivative. Widely used as an anti-arthritic drug. Inhibits various leukocyte activation pathways at multiple sites. Inhibits release of inflammatory mediators from human basophils, pulmonary mast cells and macrophages. Also inhibits human neutrophil 5-lipoxygenase. Inhibits IκB kinase (IKK) by modifying Cys^{179} of the IKKß subunit. Efficient inducer of mitochondrial membrane permeability transition pore in the presence of calcium ions, potentially referable to its inhibition of mitochondrial thioredoxin reductase.

Citations: 30 View Online »

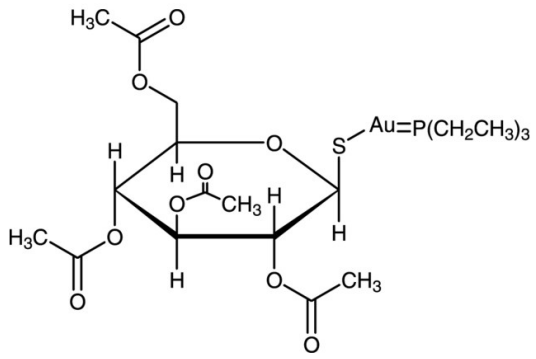
Ordering Information

Order Online »

BML-EI206-0100	100mg

Manuals, SDS & CofA

View Online »


H3C
O
O
O
Au=P(CH2CH3)3
S
H
H
O
CH3
H
O
H3C
O
O
H
H
O
CH3
O

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 room temperature. Stock solutions are stable for up to 3 months at -20°C.
Long Term Storage	Ambient
Shipping	Ambient Temperature

Regulatory Status

RUO - Research Use Only

Product Details

Alternative Name	SKF 39162, 1-Thio-β-D-glucopyranosatotriethyl phosphine gold-2,3,4,6-tetraacetate
Appearance	White solid.
CAS	34031-32-8
Couple Target	IKK, Lipoxygenase
Couple Type	Inhibitor
Formula	$C_{20}H_{34}AuO_9PS$
MI	**14:** 878
MW	678.5
Purity	≥98% (HPLC)
Solubility	Soluble in DMSO (5mg/ml) or 100% ethanol (4mg/ml).

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