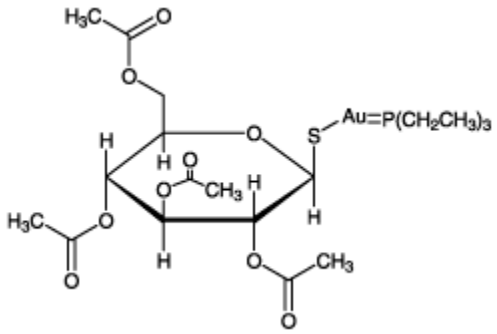
Catalog # 10-2373
Auranofin

CAS# 34031-32-8

1-Thio-ß-D-glucopyranosatotriethylphosphine gold-2,3,4,6-tetraacetate

SKF-39162

Lot # FBA2155



Disease-modifying antirheumatic drug (DMARD) , It is a potent inhibitor of selenoenzyme thioredoxin reductase and IκB kinase (IKK) by modifying Cys-179. Auranofin is an efficient inducer of mitochondrial membrane permeability transition pore in the presence of calcium ions.

1) Columbo *et al*. (1990), *Modulation of mediator release from human basophils and pulmonary mast cells and macrophages by auranofin*; Biochem. Pharmacol., **39** 285.
2) Rigobello *et al*. (2002), *Induction of mitochondrial permeability transition by auranofin, a gold(I)-phosphine derivative;* Br.J. Pharmacol., **136** 1162
3) Merck **14** 878

PHYSICAL DATA

Molecular Weight:	678.48
Molecular Formula:	$C_{20}H_{34}AuO_9PS$
Purity:	98%
	NMR: Conforms
Solubility:	DMSO (up to 5 mg/ml) or ethanol (up to 4 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied at room temperature for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 2 month.

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