Geldanamycin
from *Streptomyces hygroscopicus*

Catalog Number G3381
Storage Temperature –20 °C

CAS RN 30562-34-6

Geldanamycin was found to be a potent antibiotic active at nanomolar concentrations against 60 cell lines as well as in mouse tumor models.

It is an inhibitor of proto-oncogenic protein kinases, such as erbB2, EGF receptor tyrosine kinases, and non-receptor tyrosine kinases, such as v-src and Raf-1. In addition, it is a potent inhibitor of the nuclear hormone receptor family including the estrogen and androgen hormone receptors.

**Precautions and Disclaimer**
This product is for R&D use only, not for drug, household, or other uses. Please consult the Safety Data Sheet for information regarding hazards and safe handling practices.

**Preparation Instructions**
The product is soluble (5 mg/ml) in dichloromethane, yielding a clear yellow-orange solution. It is also soluble in DMSO (10 mg/ml) and insoluble in water.

**Storage/Stability**
It is recommended the product be stored desiccated and protected from light at –20 °C. The product as supplied is stable for 5 years when stored properly.

Solutions in DMSO are stable for at least two weeks when stored at –20 °C. Geldanamycin decomposes in acidic solution.

**Related product**
17-(Allylamino)-17-demethoxygeldanamycin (17-AAG), Catalog Number A8476, which is a less toxic analog.
References


