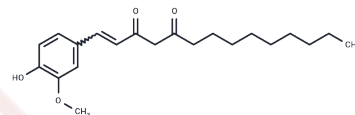


## 1-Dehydro-[10]-gingerdione

## Chemical Properties

CAS No. :	136826-50-1
Formula:	C <sub>21</sub> H <sub>30</sub> O <sub>4</sub>
Molecular Weight:	346.46
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	1-Dehydro-[10]-gingerdione inhibits IKK $\beta$ activity by targeting its activation loop, thereby preventing IKK $\beta$ -mediated phosphorylation of I $\kappa$ B $\alpha$ in macrophages stimulated by agonists. Furthermore, this compound suppresses LPS-induced NF- $\kappa$ B transcriptional activity, highlighting its potential in research related to NF- $\kappa$ B-associated inflammation and autoimmune disorders [1].
Targets(IC50)	Others,NF- $\kappa$ B,I $\kappa$ B/IKK

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.8863 mL	14.4317 mL	28.8634 mL
5 mM	0.5773 mL	2.8863 mL	5.7727 mL
10 mM	0.2886 mL	1.4432 mL	2.8863 mL
50 mM	0.0577 mL	0.2886 mL	0.5773 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481