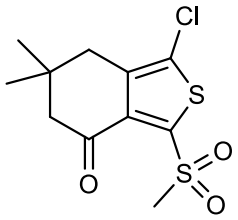
Catalog # 10-1497

AI-3

CAS# 882288-28-0

1-Chloro-6,7-dihydro-6,6-dimehyl-3-(methylsulfonyl)-benzo[c]thiophen-4(5H)-one

Lot # X106508



Activator of antioxidant response element (ARE) which induces cytoprotective genes in human cells. It alkylates Keap1 at Cys151 and is reactive toward additional cysteines at higher concentrations. Disrupts Nrf2/Keap1 and Keap1/Cul3 interactions and stabilizes Nrf2. Activates ARE in an Nrf2 and PI 3-kinase dependent manner. Cell permeable and active *in vivo*.

1) Wang *et al*. (2013), *In vitro and in vivo characterization of a tunable dual-reactivity probe of the Nrf2-ARE pathway*; ACS Chem. Biol., **8** 1764

PHYSICAL DATA

Molecular Weight:	292.81
Molecular Formula:	$C_{11}H_{13}ClO_3S_2$
Purity:	98% by TLC
	NMR: (Conforms)
Solubility:	DMSO (up to 50 mg/ml) or Ethanol (up to 25 mg/ml)
Physical Description:	White solid
Storage and Stability:	Store as supplied desiccated at -20°C for up to 2 years from the date of purchase. Solutions in DMSO or ethanol may be stored at -20°C for up to 1 month.

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