

1,4-Chrysenequinone

Catalog No: tcsc0040835



Available Sizes

Size: 50mg



Specifications

CAS No:

100900-16-1

Formula:

$C_{18}H_{10}O_2$

Pathway:

Immunology/Inflammation

Target:

Aryl Hydrocarbon Receptor

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Alternative Names:

Chrysene-1,4-dione

Observed Molecular Weight:

258.27

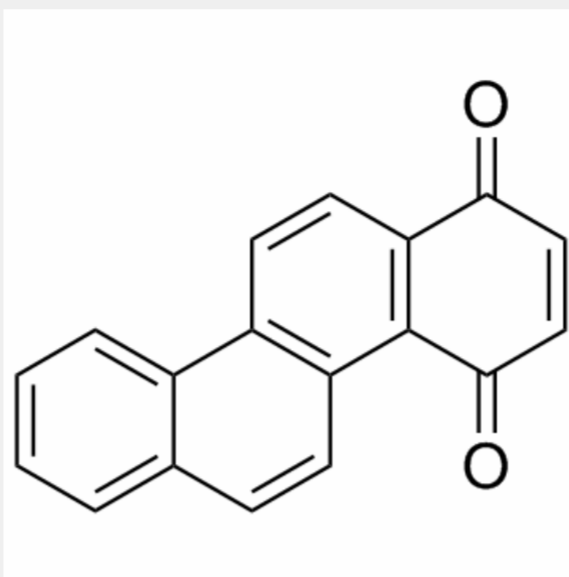
Product Description

1,4-Chrysenequinone (Chrysene-1,4-dione), a polycyclic aromatic quinone, acts as an activator of aryl hydrocarbon receptor (**AhR**).

IC50 & Target: AhR^[1]

In Vitro: 1,4-Chrysenequinone shows significant AhR ligand activity, with EC_{TCDD25}^s (concentration equivalent with 25% of TCDD)

max) of 9.7 nM and 1.9 μ M in yeast and mouse hepatoma cell systems, respectively^[1].



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