

ATP-Red 1

Catalog No: tcsc0035407



Available Sizes

Size: 5mg

Size: 10mg

Size: 25mg



Specifications

CAS No:

1847485-97-5

Formula:

$C_{34}H_{36}BN_3O_4$

Pathway:

Others

Target:

Others

Purity / Grade:

>98%

Solubility:

10 mM in DMSO

Observed Molecular Weight:

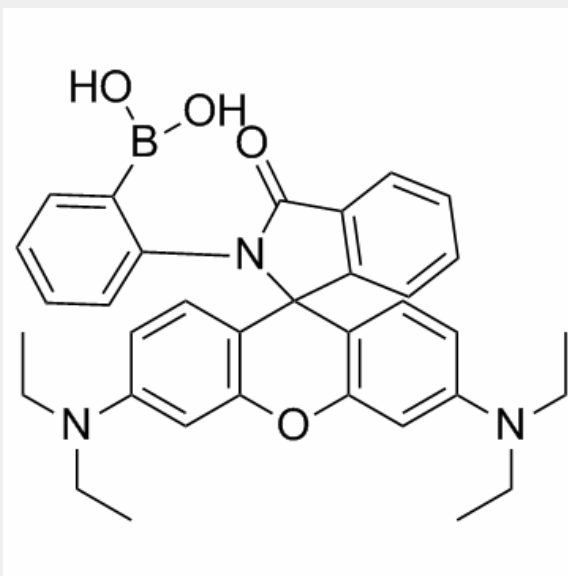
561.48

Product Description

ATP-Red 1 is a multisite-binding switchable fluorescent probe, and can selectively and rapidly responds to intracellular concentrations of ATP in living cells.

In Vitro:

ATP-Red 1 is a multisite-binding switchable fluorescent probe, and can selectively and rapidly responds to intracellular concentrations of ATP in living cells. The maximum absorption and emission wavelength of are 570/566 nm and 590/585 nm. ATP-Red 1 has good membrane permeability, and in the presence of 5 mM ATP, the fluorescence intensity of ATP-Red 1 increases 5.6-fold. ATP-Red 1 (2.5 μ M, 20 min) shows much weaker fluorescence after KCN-induced inhibition of OXPHOS, which results in reduced mitochondrial ATP levels in OSCC cells^[1].



All products are for RESEARCH USE ONLY. Not for diagnostic & therapeutic purposes!