



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 ₃ O 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!