

Ir-ImNO

Chemical Properties

CAS No. :

Formula: C₄₉H₃₆ClIrN₆

Molecular Weight:

Keep away from direct sunlight

Storage:

Store at -20°C

Actual storage temperature shall be subject to the COA.

Biological Description

Description	Ir-ImNO is a mitochondria-targeting two-photon probe with excellent cell membrane permeability, capable of detecting both endogenous and exogenous nitric oxide (NO). It allows monitoring of different immune response states in macrophages through a variety of imaging techniques, including single-photon and two-photon phosphorescence imaging as well as phosphorescence lifetime imaging. Ir-ImNO can be used in research for the clinical monitoring of immunotherapy.
Targets(IC50)	Others
In vitro	Ir-ImNO (5 μM; 6-48 h) exhibits low cytotoxicity in 4T1 and RAW 264.7 cells, with cell viability remaining above 80% after 48 hours of incubation.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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

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