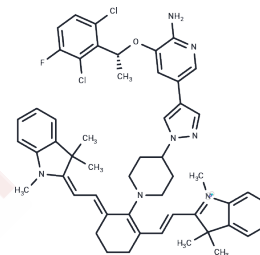


## IR-Crizotinib

## Chemical Properties

CAS No. :	2387927-74-2
Formula:	C <sub>53</sub> H <sub>57</sub> Cl <sub>2</sub> FIN <sub>7</sub> O
Molecular Weight:	1024.88
Storage:	Powder: -20°C for 3 years   In solvent: -80°C for 1 year Actual storage temperature shall be subject to the COA.



## Biological Description

Description	IR-Crizotinib is a conjugate of the near-infrared dye IR-786 and Crizotinib, an NF-κB-inducing kinase (NIK) inhibitor, with an IC <sub>50</sub> of 3.381 μM for intracranial glioblastoma (GBM) localization in mice. It has the ability to cross the blood-brain barrier and fluorescently mark GBM, and demonstrates efficacy in inhibiting glioma proliferation and invasion both in vitro and in vivo, making it significant in cancer research [1].
Targets(IC <sub>50</sub> )	NF-κB

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	0.9757 mL	4.8786 mL	9.7572 mL
5 mM	0.1951 mL	0.9757 mL	1.9514 mL
10 mM	0.0976 mL	0.4879 mL	0.9757 mL
50 mM	0.0195 mL	0.0976 mL	0.1951 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins

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