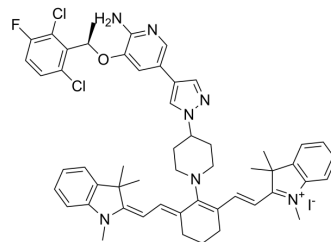


## IR-Crizotinib

Cat. No.:	HY-149696
CAS No.:	2387927-74-2
Molecular Formula:	C <sub>53</sub> H <sub>57</sub> Cl <sub>2</sub> FIN <sub>7</sub> O
Molecular Weight:	1024.87
Target:	NF-κB
Pathway:	NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

Description	IR-Crizotinib is a NF-κB-inducing kinase (NIK) inhibitor that crosses the blood-brain barrier and fluorescently localizes intracranial glioblastoma (GBM) in mice (IC <sub>50</sub> =3.381 μM). IR-Crizotinib is conjugated from the near-infrared dye IR-786 and the NF-κB-inducing kinase (NIK) inhibitor Crizotinib. IR-Crizotinib can effectively inhibit the growth and invasion of glioma in vitro and in vivo and can be used in cancer research <sup>[1]</sup> .
IC <sub>50</sub> & Target	IC50: NF-κB-inducing kinase (3.381 μM) <sup>[1]</sup> .

### REFERENCES

[1]. Pflug KM, et al. Cyanine Dye Conjugation Enhances Crizotinib Localization to Intracranial Tumors, Attenuating NF-κB-Inducing Kinase Activity and Glioma Progression. Mol Pharm. 2023 Nov 8.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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