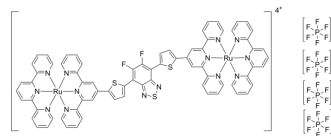


## Antitumor photosensitizer-6

|                    |   |
|--------------------|---|
| Cat. No.:          | HY-162824   |
| CAS No.:           | 2938922-20-2  |
| Molecular Formula: | C <sub>74</sub> H <sub>46</sub> F <sub>26</sub> N <sub>14</sub> P <sub>4</sub> Ru <sub>2</sub> S <sub>3</sub> |
| Molecular Weight:  | 2047.44   |
| Target:            | Apoptosis   |
| Pathway:           | Apoptosis   |
| Storage:           | Please store the product under the recommended conditions in the Certificate of Analysis.                     |



### BIOLOGICAL ACTIVITY

#### Description

Antitumor photosensitizer-6 (Compound Ru2) shows synergetic type I/II photosensitization and photocatalytic activity upon 595 nm light excitation. Ru2 induces intracellular redox imbalance and affects the biosynthetic and metabolic processes, leading to cell apoptosis. Antitumor photosensitizer-6 can be used for research of photodynamic therapy (PDT)<sup>[1]</sup>.

### REFERENCES

[1]. Wang Z, et al. Donor-Acceptor-Donor Strategy Rouses the Photodynamic Therapy Anticancer Activity of a Bis-terpyridyl Ru(II) Complex. *J Med Chem.* 2024 Aug 8;67(15):13435-13445.

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

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