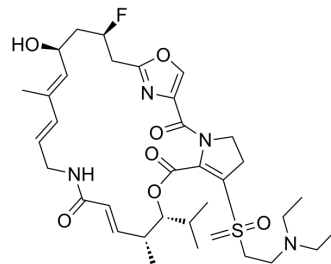


## Mitochondrial respiration-IN-3

Cat. No.:	HY-152202
Molecular Formula:	C <sub>35</sub> H <sub>51</sub> FN <sub>4</sub> O <sub>7</sub> S
Molecular Weight:	690.87
Target:	Mitochondrial Metabolism
Pathway:	Metabolic Enzyme/Protease
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

<b>Description</b>	Mitochondrial respiration-IN-3 is the fluorine derivative of Dalfopristin (HY-A0241). Mitochondrial respiration-IN-3 has cell membrane-permeable. Mitochondrial respiration-IN-3 can inhibit mitochondrial translation of glioblastoma stem cells. Mitochondrial respiration-IN-3 can be used in research of cancer <sup>[1]</sup> .
<b>In Vitro</b>	Mitochondrial respiration-IN-3 ((16R)-1e; 48 h; COMI cells) inhibits cell growth with a GI <sub>50</sub> value of 6.73 μM <sup>[1]</sup> . Mitochondrial respiration-IN-3 (100 μM; 3 h; COMI cells) has good cell membrane-permeable and increases permeability compared to Dalfopristin <sup>[1]</sup> . Mitochondrial respiration-IN-3 (0-5 μM; 48 h; COMI cells) inhibits mitochondrial translation in a dose-dependent manner <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

[1]. Sighel D, et, al. Streptogramin A derivatives as mitochondrial translation inhibitors to suppress glioblastoma stem cell growth. Eur J Med Chem. 2023 Jan 15;246:114979.

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

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