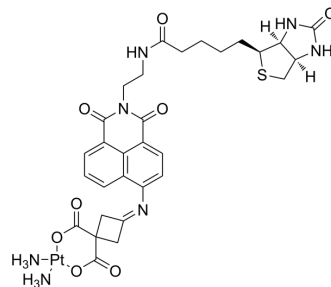


NHEJ inhibitor-1

Cat. No.:	HY-146194
Molecular Formula:	C ₃₀ H ₃₅ N ₇ O ₈ PtS
Molecular Weight:	848.79
Target:	Reactive Oxygen Species
Pathway:	Immunology/Inflammation; Metabolic Enzyme/Protease; NF-κB
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

NHEJ inhibitor-1 (Compound C2) is a trifunctional Pt(II) complex, alleviates the non-homologous end connection (NHEJ)/homologous recombination (HR)-related double strand breaks (DSBs) repairs to evade Cisplatin-resistance in non-small cell lung cancer (NSCLC). NHEJ inhibitor-1 inhibits the damage repair proteins Ku70 and Rad51 to make tumors re-sensitive to Cisplatin. NHEJ inhibitor-1 also induces ROS generation and MMP deduction^[1].

REFERENCES

[1]. Xing Wang, et al. A trifunctional Pt(II) complex alleviates the NHEJ/HR-related DSBs repairs to evade cisplatin-resistance in NSCLC. *Bioorg Chem.* 2020 Nov;104:104210.

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

Tel: 609-228-6898

Fax: 609-228-5909

E-mail: tech@MedChemExpress.com

Address: 1 Deer Park Dr, Suite Q, Monmouth Junction, NJ 08852, USA