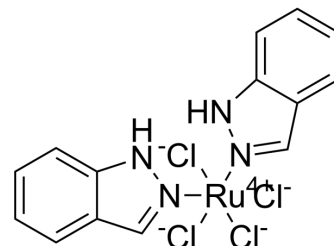


BOLD-100 free base

Cat. No.:	HY-147039
CAS No.:	783324-98-1
Molecular Formula:	C ₁₄ H ₁₂ Cl ₄ N ₄ Ru
Molecular Weight:	479.15
Target:	HSP; Autophagy
Pathway:	Cell Cycle/DNA Damage; Metabolic Enzyme/Protease; Autophagy
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description	BOLD-100 (NKP-1339; IT-139) free base is a ruthenium-based anticancer agent. BOLD-100 free base also is an inhibitor of stress-induced GRP78 upregulation, disrupting endoplasmic reticulum (ER) homeostasis and inducing ER stress and unfolded protein response (UPR). BOLD-100 free base interferes with the complex interplay between ER-stress response, lysosome dynamics, and autophagy execution ^[1] .
IC₅₀ & Target	GRP78 ^[1]

REFERENCES

[1]. Baier D, et al. The Anticancer Ruthenium Compound BOLD-100 Targets Glycolysis and Generates a Metabolic Vulnerability towards Glucose Deprivation. *Pharmaceutics*. 2022;14(2):238. Published 2022 Jan 20.

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