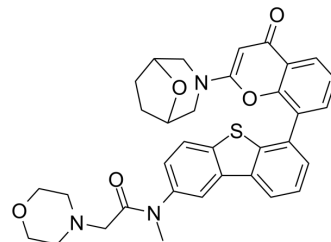


NU5455

Cat. No.:	HY-145427
CAS No.:	1257235-99-6
Molecular Formula:	C ₃₄ H ₃₃ N ₃ O ₅ S
Molecular Weight:	595.71
Target:	DNA-PK
Pathway:	Cell Cycle/DNA Damage; PI3K/Akt/mTOR
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



BIOLOGICAL ACTIVITY

Description

NU5455 is a potent, selective, and orally active inhibitor of DNA-PKcs. NU5455 administration increases both the efficacy and the toxicity of a parenterally administered topoisomerase inhibitor. NU5455 enhances the activity of Doxorubicin released locally in liver tumor xenografts without inducing any adverse effect^[1].

REFERENCES

[1]. Willoughby CE, et al. Selective DNA-PKcs inhibition extends the therapeutic index of localized radiotherapy and chemotherapy. *J Clin Invest.* 2020;130(1):258-271.

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

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