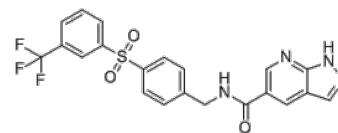


Product Name : GNE-618
Cat. No. : PC-38787
CAS No. : 1362151-42-5
Molecular Formula : C₂₁H₁₅F₃N₄O₃S
Molecular Weight : 460.43
Target : NAMPT
Solubility : 10 mM in DMSO



Biological Activity

GNE-618 is a potent, selective **NAMPT** inhibitor with IC₅₀ of 6 nM, depletes NAD and induces cell death in vitro and in vivo. GNE-618 reduced levels of NAD with an 50% minimal response (EC₅₀) of 2.6 nM in the NSCLC cell line Calu-6, reduced cellular proliferation of Calu-6 cells with IC₅₀ of 13.6 nM.

NAMPT, but not NAPRT1, mRNA and protein levels inversely correlate with sensitivity to GNE-618 across a panel of 53 non-small cell lung carcinoma cell lines.

GNE-618 inhibits in vivo tumor growth in an A549 non-small cell lung carcinoma (NSCLC) model.

References

O'Brien T, et al. *Neoplasia*. 2013 Dec;15(12):1314-29.

Xiao Y, et al. *Neoplasia*. 2013 Oct;15(10):1151-60.

Zheng X, et al. *J Med Chem* 2013;56:6413-33.

Caution: Product has not been fully validated for medical applications. Lab Use Only!

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