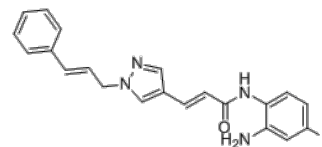


Product Name : RGFP966
Cat. No. : PC-20237
CAS No. : 1357389-11-7
Molecular Formula : C₂₁H₁₉N₄O
Molecular Weight : 362.41
Target : HDAC
Solubility : 10 mM in DMSO



Biological Activity

RGFP966 (RGFP 966) is a potent, specific **HDAC3** inhibitor with IC₅₀ of 0.08 μM, without effective inhibition of any other HDACs at 15 μM.

RGFP966 facilitates extinction in mice in a manner resistant to reinstatement.

RGFP966 enhances the rate and persistence of extinction of cocaine-CPP. RGFP966 enhances acquisition/consolidation of memory.

RGFP966 promotes histone acetylation and gene expression during extinction consolidation.

RGFP966 alters the regulation of c-fos via HDAC3 and its acetylation during the consolidation of extinction.

RGFP966 causes significant reduction in DNA replication fork velocity, inhibits cell growth in CTCL cell lines with increased apoptosis.

References

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Wells CE, et al. *PLoS One*. 2013 Jul 22;8(7):e68915.

Bieszczad KM, et al. *J Neurosci*. 2015 Sep 23;35(38):13124-32.

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

E-mail: tech@probechem.com