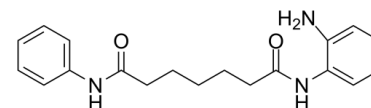


Data Sheet

Product Name:	NKL 22
Cat. No.:	CS-5542
CAS No.:	537034-15-4
Molecular Formula:	C ₁₉ H ₂₃ N ₃ O ₂
Molecular Weight:	325.40
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Solubility:	DMSO : ≥ 29 mg/mL (89.12 mM)



BIOLOGICAL ACTIVITY:

NKL 22 is a HDAC inhibitor. The value of IC₅₀ is 78 uM. NKL 22 increases frataxin protein concentrations. NKL 22 inhibitors increase FXN mRNA in FRDA lymphocytes. HDAC inhibitors act directly on FXN. [1]

References:

[1]. D Herman et al. Histone deacetylase inhibitors reverse gene silencing in Friedreich's ataxia. *Nat Chem Biol*, 2006 Oct, 2(10):551-8.

CAIndexNames:

Heptanediamide, N1-(2-aminophenyl)-N7-phenyl-

SMILES:

O=C(NC1=CC=CC=C1)CCCCC(NC2=CC=CC=C2)=O

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

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