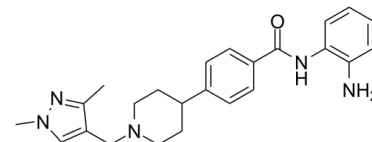


## Data Sheet

Product Name:	CXD101
Cat. No.:	CS-5964
CAS No.:	934828-12-3
Molecular Formula:	C <sub>24</sub> H <sub>29</sub> N <sub>5</sub> O
Molecular Weight:	403.52
Target:	HDAC
Pathway:	Cell Cycle/DNA Damage; Epigenetics
Solubility:	DMSO : ≥ 31 mg/mL (76.82 mM)



### BIOLOGICAL ACTIVITY:

CXD101 is a class I-selective **HDAC** inhibitor (HDAC1 (**IC<sub>50</sub>**, 63 nM), HDAC2 (**IC<sub>50</sub>**, 570 nM), HDAC3 (**IC<sub>50</sub>**, 550 nM). CXD101 has no activity against HDAC class II<sup>[1]</sup>.

### References:

[1]. Eyre TA, et al. Predictive biomarkers for disease sensitivity in lymphoma - the holy grail for HDAC inhibitors? Oncotarget. 2018 Dec 18;9(99):37280-37281.

### CAIndexNames:

Benzamide, N-(2-aminophenyl)-4-[1-[(1,3-dimethyl-1H-pyrazol-4-yl)methyl]-4-piperidinyl]-

### SMILES:

O=C(NC1=CC=CC=C1)C(=CC=C(C3CCN(CC4=CN(C)N=C4C)CC3)C=C2

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

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