Pimelic Diphenylamide 106 (analog)

Cat. No.: HY-19430

CAS No.: 2070015-24-4

Molecular Formula: $C_{21}H_{27}N_3O_2$

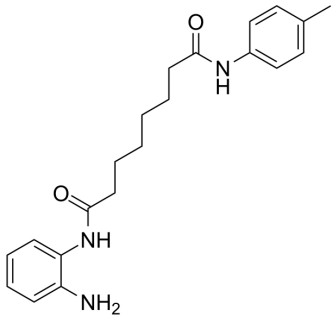
Molecular Weight: 353.46

Target: Others

Pathway: Others

Storage:

Powder	-20°C	3 years
	4°C	2 years
In solvent	-80°C	2 years
	-20°C	1 year



SOLVENT & SOLUBILITY

In Vitro

DMSO : ≥ 30 mg/mL (84.88 mM)

* "≥" means soluble, but saturation unknown.

Preparing Stock Solutions

Mass / Solvent / Concentration	1 mg	5 mg	10 mg
1 mM	2.8292 mL	14.1459 mL	28.2917 mL
5 mM	0.5658 mL	2.8292 mL	5.6583 mL
10 mM	0.2829 mL	1.4146 mL	2.8292 mL

Please refer to the solubility information to select the appropriate solvent.

BIOLOGICAL ACTIVITY

Description

Pimelic Diphenylamide 106 analog is an analog of Pimelic Diphenylamide 106 with unknown biological activity.

CUSTOMER VALIDATION

- Proc Natl Acad Sci U S A. 2019 Feb 19;116(8):2961-2966.
- J Mol Med (Berl). 2019 Aug;97(8):1183-1193.

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REFERENCES

[1]. Chou CJ, et al. Pimelic diphenylamide 106 is a slow, tight-binding inhibitor of class I histone deacetylases. J Biol Chem. 2008 Dec 19;283(51):35402-35409.

[2]. Xu C, et al. Chemical probes identify a role for histone deacetylase 3 in Friedreich's ataxia gene silencing. Chem Biol. 2009 Sep 25;16(9):980-989.

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

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