

## HMCEF

## Chemical Properties

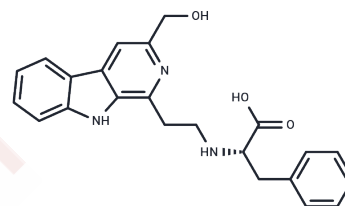
CAS No. : 2002363-68-8

Formula: C<sub>23</sub>H<sub>23</sub>N<sub>3</sub>O<sub>3</sub>

Molecular Weight: 389.45

Storage: Powder: -20°C for 3 years | In solvent: -80°C for 1 year

Actual storage temperature shall be subject to the COA.



## Biological Description

Description	HMCEF is a P-selectin inhibitor that acts by intercalating into calf thymus DNA, cutting off DNA pBR22. It also inhibits the proliferation of cancer cells.
Targets(IC50)	Others

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5677 mL	12.8386 mL	25.6772 mL
5 mM	0.5135 mL	2.5677 mL	5.1354 mL
10 mM	0.2568 mL	1.2839 mL	2.5677 mL
50 mM	0.0514 mL	0.2568 mL	0.5135 mL

Please select the appropriate solvent to prepare the stock solution, according to the solubility of the product in different solvents. Please use it as soon as possible.

Note: The dilution table applies only to solid products. For liquid products, please calculate the stock solution based on the stated concentration and/or density.

## Reference

Wu J, Zhao M, Wang Y, Wang Y, Zhu H, Zhao S, Gui L, Zhang X, Peng S. N-(3-hydroxymethyl-β-carboline-1-yl-ethyl-2-yl)-L-Phe: development toward a nanoscaled antitumor drug capable of treating complicated thrombosis and inflammation. *Drug Des Devel Ther.* 2017 Jan 17;11:225-239. doi: 10.2147/DDDT.S123919. eCollection 2017. PubMed PMID: 28176928; PubMed Central PMCID: PMC5265142.

Wu J, Zhao M, Wang Y, Wang Y, Zhu H, Zhao S, Peng S. A novel lead of P-selectin inhibitor: Discovery, synthesis, bioassays and action mechanism. *Bioorg Med Chem Lett.* 2016 Oct 1;26(19):4631-4636. doi: 10.1016/j.bmcl.2016.08.061. Epub 2016 Aug 21. PubMed PMID: 27575475.

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