

## Lexitropsin

## Chemical Properties

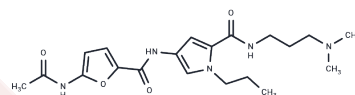
CAS No. : 110124-49-7

Formula: C<sub>20</sub>H<sub>29</sub>N<sub>5</sub>O<sub>4</sub>

Molecular Weight: 403.48

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	Lexitropsin is a novel anticancer drug.
Targets(IC50)	Others,DNA Alkylator/Crosslinker

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.4784 mL	12.3922 mL	24.7844 mL
5 mM	0.4957 mL	2.4784 mL	4.9569 mL
10 mM	0.2478 mL	1.2392 mL	2.4784 mL
50 mM	0.0496 mL	0.2478 mL	0.4957 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

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- Han X, Li C, Mosher MD, Rider KC, Zhou P, Crawford RL, Fusco W, Paszczynski A, Natale NR. Design, synthesis and biological evaluation of a novel class of anticancer agents: anthracenylisoxazole lexitropsin conjugates. *Bioorg Med Chem.* 2009 Feb 15;17(4):1671-80. doi: 10.1016/j.bmc.2008.12.056. Epub 2008 Dec 31. PubMed PMID: 19167892; PubMed Central PMCID: PMC2978248.
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- Goodsell DS, Ng HL, Kopka ML, Lown JW, Dickerson RE. Structure of a dicationic monoimidazole lexitropsin bound to DNA. *Biochemistry.* 1995 Dec 26;34(51):16654-61. PubMed PMID: 8527438.

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