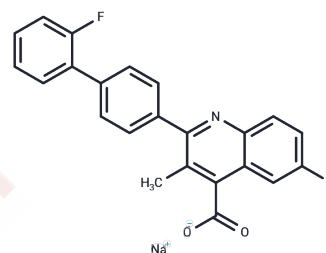


## Brequinar sodium

## Chemical Properties

CAS No. :	96201-88-6
Formula:	C <sub>23</sub> H <sub>14</sub> F <sub>2</sub> NNaO <sub>2</sub>
Molecular Weight:	397.36
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	Bipenquininate is a potent and selective inhibitor of dihydroorotate dehydrogenase (DHODH) with IC <sub>50</sub> of 20 nM, blocking de novo pyrimidine biosynthesis.
Targets(IC <sub>50</sub> )	Dehydrogenase

## Solubility Information

Solubility	DMSO: 3.98 mg/mL (10.02 mM), Sonication is recommended. (< 1 mg/ml refers to the product slightly soluble or insoluble)
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## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.5166 mL	12.583 mL	25.1661 mL
5 mM	0.5033 mL	2.5166 mL	5.0332 mL
10 mM	0.2517 mL	1.2583 mL	2.5166 mL
50 mM	0.0503 mL	0.2517 mL	0.5033 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

Li S F , Gong M J , Sun Y F , et al. Antiviral activity of brequinar against foot-and-mouth disease virus infection in vitro and in vivo[J]. Biomedicine & pharmacotherapy = Biomedecine & pharmacotherapie, 2019, 116:108982.

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