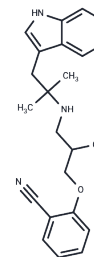


## Bucindolol

## Chemical Properties

CAS No. :	71119-11-4
Formula:	C <sub>22</sub> H <sub>25</sub> N <sub>3</sub> O <sub>2</sub>
Molecular Weight:	363.45
Storage:	Store at low temperature Powder: -20°C for 3 years   In solvent: -80°C for 1 year <small>Actual storage temperature shall be subject to the COA.</small>



## Biological Description

Description	Bucindolol (BMY 13105) is a novel and potent $\beta$ 1-adrenergic receptor blocker that mediates vasodilation and can be used to study chronic heart failure.
Targets(IC50)	Adrenergic Receptor

## Solubility Information

Solubility	DMSO: 80 mg/mL (220.11 mM), Sonication is recommended. ( $< 1$ mg/ml refers to the product slightly soluble or insoluble)
------------	--

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.7514 mL	13.7571 mL	27.5141 mL
5 mM	0.5503 mL	2.7514 mL	5.5028 mL
10 mM	0.2751 mL	1.3757 mL	2.7514 mL
50 mM	0.055 mL	0.2751 mL	0.5503 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

Liggett SB, et al. A polymorphism within a conserved beta(1)-adrenergic receptor motif alters cardiac function and beta-blocker response in human heart failure. Proc Natl Acad Sci U S A. 2006 Jul 25;103(30):11288-93.

**Inhibitor · Natural Compounds · Compound Libraries · Recombinant Proteins**

This product is for Research Use Only · Not for Human or Veterinary or Therapeutic Use

Tel:781-999-4286 E\_mail:info@targetmol.com Address:34 Washington Street,Wellesley Hills,MA 02481