

## Utrophin modulator 1

## Chemical Properties

CAS No. :

Formula: C<sub>22</sub>H<sub>18</sub>N<sub>6</sub>O

Molecular Weight: 382.42

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	Utrophin Modulator 1 (UM1) is a highly effective agent that upregulates utrophin protein levels, displaying an EC 50 of 0.11 µM. Its application in the investigation of Duchenne Muscular Dystrophy (DMD) has been well-established [1].
Targets(IC50)	Others, Microtubule Associated
In vitro	Utrophin modulator 1 (compound 76) increased utrophin protein levels by up to 2.5-fold in H2K-mdx cells after 24 hours of incubation at concentrations of 0.1, 1.0, and 10 µM, as confirmed by Western Blot Analysis [1].

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	2.6149 mL	13.0746 mL	26.1493 mL
5 mM	0.523 mL	2.6149 mL	5.2299 mL
10 mM	0.2615 mL	1.3075 mL	2.6149 mL
50 mM	0.0523 mL	0.2615 mL	0.523 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.

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