

ART-CHEM-BB B025267

## Chemical Properties

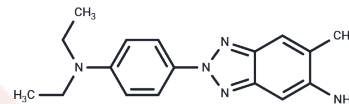
CAS No. : 381208-40-8

Formula: C17H21N5

Molecular Weight: 295.38

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	ART-CHEM-BB B025267 is the upregulator of utrophin production with EC50 of 1.8 $\mu$ M and can be used in research on the treatment of Duchenne muscular dystrophy.
Targets(IC50)	Others

## Solubility Information

Solubility	DMSO: 55 mg/mL (186.2 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	3.3855 mL	16.9273 mL	33.8547 mL
5 mM	0.6771 mL	3.3855 mL	6.7709 mL
10 mM	0.3385 mL	1.6927 mL	3.3855 mL
50 mM	0.0677 mL	0.3385 mL	0.6771 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

De Moor O, et al. Discovery and SAR of 2-arylbenzotriazoles and 2-arylimidazoles as potential treatments for Duchenne muscular dystrophy. Bioorg Med Chem Lett. 2011 Aug 15;21(16):4828-31.

Chancellor DR, et al. Discovery of 2-arylbenzoxazoles as upregulators of utrophin production for the treatment of Duchenne muscular dystrophy. J Med Chem. 2011 May 12;54(9):3241-50.

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