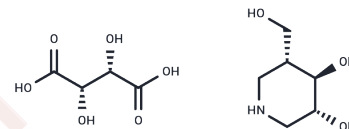


## Afegostat D-Tartrate

## Chemical Properties

CAS No. :	957230-65-8
Formula:	C10H19NO9
Molecular Weight:	297.26
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	Afegostat D-Tartrate is a pharmacological chaperone that binds specifically and reversibly with high affinity to acid- $\beta$ -glucosidase (GCase) in the endoplasmic reticulum.
Targets(IC50)	Others,Glucosidase,glycosidase
In vivo	Afegostat D-Tartrate enhances GCase activity in the brain, liver, and spleen. When administered orally at a dosage of 100 mg/kg to Thy1-aSyn mice for four months, Afegostat notably improves motor and non-motor functions, eliminates microglial inflammatory responses in the substantia nigra, diminishes $\alpha$ -synuclein immunoreactivity in nigral dopaminergic neurons, and adjusts the size distribution of $\alpha$ -synuclein aggregates by reducing small aggregates and augmenting larger ones.

## Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.3641 mL	16.8203 mL	33.6406 mL
5 mM	0.6728 mL	3.3641 mL	6.7281 mL
10 mM	0.3364 mL	1.682 mL	3.3641 mL
50 mM	0.0673 mL	0.3364 mL	0.6728 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

Richter F, et al. A GCase chaperone improves motor function in a mouse model of synucleinopathy. *Neurotherapeutics*. 2014 Oct;11(4):840-56.

**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