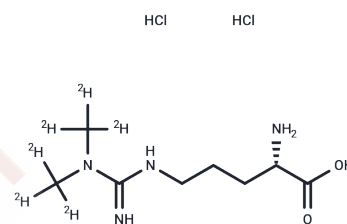


ADMA-D6

Chemical Properties

CAS No. : 1313730-20-9
 Formula: C₈H₁₄D₆Cl₂N₄O₂
 Molecular Weight: 281.2106
 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	ADMA-D6 is intended for use as an internal standard for the quantification of NG,NG-dimethyl-L-arginine by GC- or LC-MS. ADMA (T7682) is an endogenous inhibitor of nitric oxide synthase (NOS). It is formed from arginine by protein arginine methyltransferases (PRMTs) and degraded by dimethylarginine dimethylaminohydrolases (DDAHs) and alanine-glyoxylate aminotransferase 2 (AGXT2). ADMA (T7682) levels are increased concomitant with an increase in blood pressure in Dahl salt-sensitive rats fed a high-salt diet. ADMA (T7682) levels are increased in the plasma in a variety of endothelial dysfunction-related diseases, including hypertension, congestive heart failure, and end-stage renal disease.
Targets(IC50)	Endogenous Metabolite,NO Synthase

Preparing Stock Solutions

	1mg	5mg	10mg
1 mM	3.5561 mL	17.7803 mL	35.5606 mL
5 mM	0.7112 mL	3.5561 mL	7.1121 mL
10 mM	0.3556 mL	1.778 mL	3.5561 mL
50 mM	0.0711 mL	0.3556 mL	0.7112 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

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