

Product Name: TM 5275 sodium salt

Catalog No.: 5769

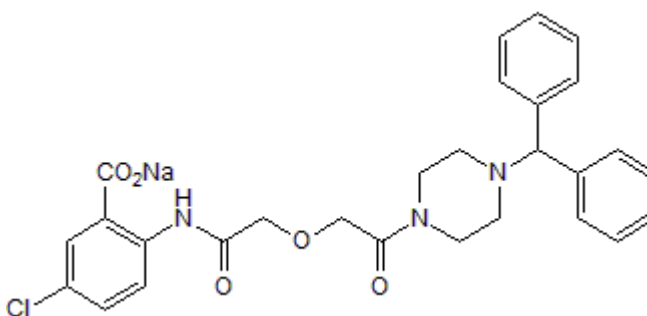
Batch No.: 1

CAS Number: 1103926-82-4

IUPAC Name: 5-Chloro-2-[[2-[2-[4-(Diphenylmethyl)-1-piperazinyl]-2-oxoethoxy]acetyl]amino]benzoic acid sodium salt

1. PHYSICAL AND CHEMICAL PROPERTIES

Batch Molecular Formula: C₂₈H₂₇ClN₃NaO₅
Batch Molecular Weight: 543.97
Physical Appearance: White solid
Solubility: DMSO to 100 mM
Storage: Store at +4°C
Batch Molecular Structure:



2. ANALYTICAL DATA

HPLC: Shows 99% purity
¹H NMR: Consistent with structure
Mass Spectrum: Consistent with structure
Microanalysis:

	Carbon	Hydrogen	Nitrogen
Theoretical	61.82	5	7.72
Found	61.63	4.87	7.61

Caution - Not Fully Tested • Research Use Only • Not For Human or Veterinary Use

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Description:

Plasminogen activator inhibitor-1 (PAI-1) inhibitor. Orally bioavailable.

Physical and Chemical Properties:

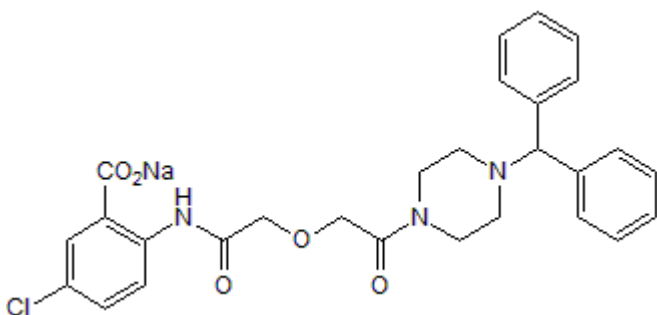
Batch Molecular Formula: C₂₈H₂₇ClN₃NaO₅

Batch Molecular Weight: 543.97

Physical Appearance: White solid

Minimum Purity: >98%

Batch Molecular Structure:



Storage: Store at +4°C

Solubility & Usage Info:

DMSO to 100 mM

Stability and Solubility Advice:

Some solutions can be difficult to obtain and can be encouraged by rapid stirring, sonication or gentle warming (in a 45-60°C water bath).

Information concerning product stability, particularly in solution, has rarely been reported and in most cases we can only offer a general guide. Our standard recommendations are:

SOLIDS: Provided storage is as stated on the product label and the vial is kept tightly sealed, the product can be stored for up to 6 months from date of receipt.

SOLUTIONS: We recommend that stock solutions, once prepared, are stored aliquoted in tightly sealed vials at -20°C or below and used within 1 month. Wherever possible solutions should be made up and used on the same day.

References:

Yamaoka et al (2011) Structure-activity relationships of new *N*-acylanthranilic acid derivatives as plasminogen activator inhibitor-1 inhibitors. *Chem.Pharm.Bull.* **59** 215. PMID: 21297302.

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