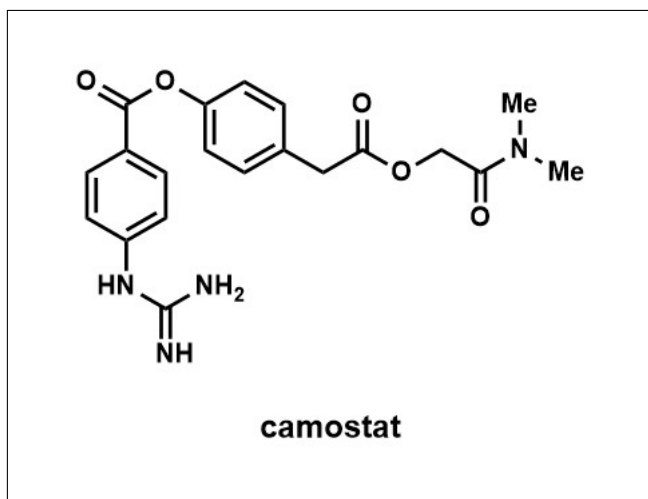


Camostat



Related reviews in Science of Synthesis

- Arenecarboxylic Acid Esters
- α -Heteroatom-Substituted Alkanamides
- Guanidines
- Carboxylic Acids to Acid Halides Using Thionyl Chloride

ATC: B02AB04

Use: trypsin inhibitor (for treatment of chronic pancreatitis)

Chemical name: 4-[[4-[(aminoiminomethyl)amino]benzoyl]oxy]benzeneacetic acid 2-(dimethylamino)-2-oxoethyl ester

Formula: C₂₀H₂₂N₄O₅

MW: 398.42 g/mol

CAS-RN: 59721-28-7

InChI Key: XASIMHXSUQUHLV-UHFFFAOYSA-N

InChI: InChI=1S/C20H22N4O5/c1-24(2)17(25)12-28-18(26)11-13-3-9-16(10-4-13)29-19(27)14-5-7-15(8-6-14)23-20(21)22/h3-10H,11-12H2,1-2H3,(H4,21,22,23)

Derivatives

monomesylate

Formula: C₂₀H₂₂N₄O₅ • CH₄O₃S

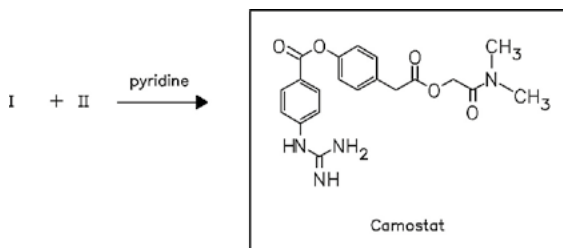
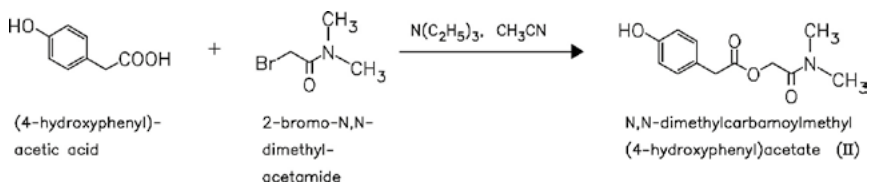
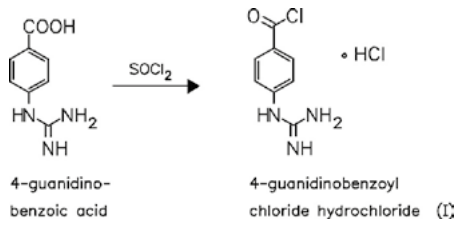
MW: 494.53 g/mol

CAS-RN: 59721-29-8

LD50: 200 mg/kg (M, i.v.); 3 g/kg (M, p.o.);

152 mg/kg (R, i.v.); 3 g/kg (R, p.o.)

Synthesis Path



Substances Referenced in Synthesis Path

CAS-RN	Formula	Chemical Name	CAS Index Name
5468-77-9	C ₄ H ₈ BrNO	2-bromo- <i>N,N</i> -dimethylacetamide	Acetamide, 2-bromo- <i>N,N</i> -dimethyl-
59721-16-3	C ₁₂ H ₁₅ NO ₄	<i>N,N</i> -dimethylcarbamoylmethyl (4-hydroxyphenyl)acetate	Benzeneacetic acid, 4-hydroxy-, 2-(dimethylamino)-2-oxoethyl ester
16060-65-4	C ₈ H ₉ N ₃ O ₂	4-guanidinobenzoic acid	Benzoic acid, 4-[(aminoiminomethyl)amino]-
7035-79-2	C ₈ H ₉ Cl ₂ N ₃ O	4-guanidinobenzoyl chloride hydrochloride	Benzoyl chloride, 4-[(aminoiminomethyl)amino]-, monohydrochloride
156-38-7	C ₈ H ₈ O ₃	4-hydroxyphenylacetic acid	Benzeneacetic acid, 4-hydroxy-

Trade Names

Country	Trade Name	Vendor
J	Foipan	Ono

Formulations

gran. 200 mg; tabl. 100 mg

References

DOS 2 548 886 (Ono Pharmac.; appl. 31.10.1975; J-prior. 1.11.1974, 17.12.1974, 27.5.1975).

US 4 021 472 (Ono Pharmac.; 3.5.1977; J-prior. 1.11.1974, 17.12.1974, 27.5.1975).

GB 1 472 700 (Ono Pharmac.; appl. 23.10.1975; J-prior. 1.11.1974; 17.12.1974, 27.5.1975).

FR 2 289 181 (Ono Pharmac.; appl. 30.10.1975; J-prior. 1.11.1974, 17.12.1974, 27.5.1975).