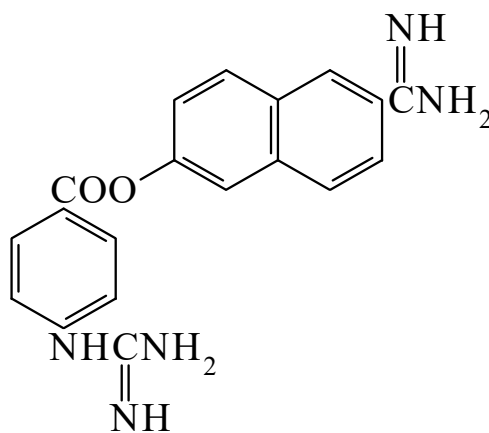




>>Entry Name: Nafamostat, INN

Synonym(s): 6-(Aminoiminoethyl)-2-naphthalenyl 4-[(aminoiminomethyl)amino]benzoate. 6-Amidino-2-naphthyl 4-guanidinobenzoate. Nafamstat



CAS Registry Number: 81525-10-2

Molecular Formula: C₁₉H₁₇N₅O₂

Molecular Weight: 347.376

Accurate Mass: 347.138225

Percentage Composition: C 65.70%; H 4.93%; N 20.16%; O 9.21%

Use/Importance: Inactivates coagulation fibrinolysis, and platelet aggregation. Anticomplement agent (serine protease inhibitor); used for the treatment of acute pancreatitis

>>Derivative: Hydrochloride (1:2)

CAS Registry Number: 80251-32-7

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 275 dec.°

>>Derivative: Methanesulfonate (1:2)

Synonym(s): Nafamostat mesylate, USAN. Nafamostat mesilate, JAN. Futhan. FUT 175

CAS Registry Number: 82956-11-4

Physical Description: Cryst. (H₂O)

Development Status: Launched 1986

Melting Point: Mp 260 dec.°

References:

- Fujii, S. *et al.*, *Proteinase Inhib.*, 1983, 37, (rev, pharmacol)
Aoyama, T. *et al.*, *Jpn. J. Pharmacol.*, 1984, **35**, 203, (pharmacol)
Aoyama, T. *et al.*, *Chem. Pharm. Bull.*, 1985, **33**, 1458, (synth, pharmacol)
Oka, T. *et al.*, *Life Support Syst.*, 1986, **4**, 195, (rev)
Kimura, T. *et al.*, *J. Int. Med. Res.*, 1992, **20**, 343, (pharmacol, mus)
Martindale, The Extra Pharmacopoeia, 30th edn., Pharmaceutical Press, 1993, 1392
Okamoto, T. *et al.*, *J. Pharmacol. Exp. Ther.*, 1994, **268**, 639, (tox, dog)