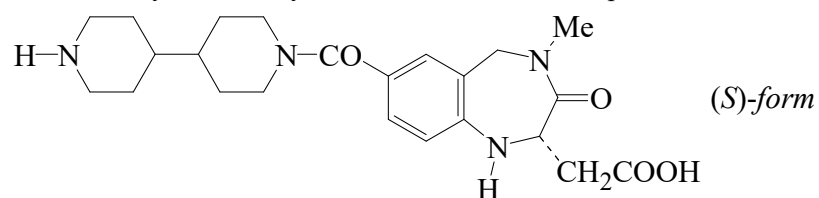




>>Entry Name: Lotrafiban, INN

Synonym(s): 7-([4,4'-Biperidin]-1-ylcarbonyl)-2,3,4,5-tetrahydro-4-methyl-3-oxo-1*H*-1,4-benzodiazepine-2-acetic acid, 9Cl. SIB 214857



CAS Registry Number: 171048-90-1

Related CAS Registry Numbers(s): 171049-12-0 171049-16-4 204705-15-7

Molecular Formula: C₂₃H₃₂N₄O₄

Molecular Weight: 428.53

Accurate Mass: 428.242356

Percentage Composition: C 64.47%; H 7.53%; N 13.07%; O 14.93%

Biological Use/Importance: Fibrinogen receptor antagonist

>>Variant: (*S*)-form

CAS Registry Number: 171049-14-2

Molecular Formula: C₂₃H₃₂N₄O₄

Molecular Weight: 428.53

Accurate Mass: 428.242356

Percentage Composition: C 64.47%; H 7.53%; N 13.07%; O 14.93%

Physical Description: Cryst. (Me₂CO aq.)

Melting Point: Mp 218-220°

Optical Rotation: [α]_D −180.3 (c, 1 in MeOH)

Other Data: Pharmacol. active isomer

References:

Pat. Coop. Treaty (WIPO), 1995, *SmithKline Beecham*, 95 18 619; *CA*, **124**, 8857j, (*synth, pharmacol*)

Miller, W.H. *et al.*, *Tet. Lett.*, 1995, **36**, 9433-9436, (*synth*)

Samanen, J.M. *et al.*, *J. Med. Chem.*, 1996, **39**, 4867-4870, (*synth, pharmacol*)