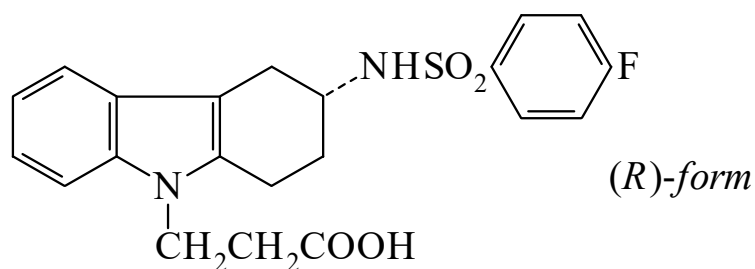




>>Entry Name: Ramatroban, BAN, INN

Synonym(s): 3-[[[4-Fluorophenyl)sulfonyl]amino]-1,2,3,4-tetrahydro-9*H*-carbazole-9-propanoic acid, 9Cl. 3-(4-Fluorophenylsulfonamido)-1,2,3,4-tetrahydro-9-carbazolepropanoic acid



CAS Registry Number: 141281-95-0

Related CAS Registry Numbers(s): 116778-38-2 141307-19-9

Molecular Formula: C₂₁H₂₁FN₂O₄S

Molecular Weight: 416.472

Accurate Mass: 416.120606

Percentage Composition: C 60.56%; H 5.08%; F 4.56%; N 6.73%; O 15.37%; S 7.70%

Use/Importance: Thromboxane A₂ receptor antagonist. Inhibits antigen- and prostanoid-induced bronchoconstriction. Potential antiasthmatic agent

>>Variant: (*R*)-form

Synonym(s): Bay u 3405. EN 137774

CAS Registry Number: 116649-85-5

Molecular Formula: C₂₁H₂₁FN₂O₄S

Molecular Weight: 416.472

Accurate Mass: 416.120606

Percentage Composition: C 60.56%; H 5.08%; F 4.56%; N 6.73%; O 15.37%; S 7.70%

Physical Description: Cryst. (Et₂O)

Melting Point: Mp 134-135°

Optical Rotation: [α]_D +70.1 (c, 1 in MeOH)

Other Data: Pharmacol. active isomer

References:

Rosentreter, U. *et al.*, *Arzneim.-Forsch.*, 1990, **39**, 1519; 1522; 1525; 1527, (*synth, abs config, pharmacol*)

McKenniff, M.G. *et al.*, *Br. J. Pharmacol.*, 1991, **104**, 585, (*pharmacol*)

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Theis, J.G.W. *et al.*, *Biochem. Pharmacol.*, 1992, **44**, 495, (*pharmacol*)

Iwamoto, I. *et al.*, *Int. Arch. Allergy Appl. Immunol.*, 1995, **108**, 68, (*pharmacol*)