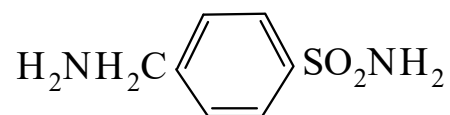




>>Entry Name: **Mafenide**, BAN, INN, USAN

Synonym(s): 4-(Aminomethyl)benzenesulfonamide, 9CI. α -Amino-*p*-toluenesulfonamide, 8CI. 4-Homosulfanilamide. Homosul. Sulfabenzamine. Sulfamylon. NSC 34632.
Many other names



CAS Registry Number: 138-39-6

Related CAS Registry Numbers(s): 49783-80-4

Molecular Formula: C₇H₁₀N₂O₂S

Molecular Weight: 186.234

Accurate Mass: 186.046298

Percentage Composition: C 45.15%; H 5.41%; N 15.04%; O 17.18%; S 17.22%

Biological Use/Importance: Used as an antibacterial agent in treatment of second- and third-degree burns

Physical Description: Cryst. (EtOH)

Melting Point: Mp 151-152°

Solubility: Sol. dil. acids, alkalis

Calculated Log P Data: Log P -0.74 (calc)

Hazard & Toxicity: Low acute toxicity

>>Derivative: Hydrochloride

Synonym(s): Homosulfamine

CAS Registry Number: 138-37-4

Melting Point: Mp 256°

Sigma: A2134

>>Derivative: Hydrochloride, hydrate

Synonym(s): Homosulfanilamide

CAS Registry Number: 65195-43-9

Biological Use/Importance: Potent inhibitor of carbonic anhydrase

Melting Point: Mp 261-263°

Aldrich: A6180-2

>>Derivative: Acetate salt

Synonym(s): **Mafenide acetate**, JAN, USAN. Mafatate. Mefamide. Napaltan. Winthrosin. TO 105

CAS Registry Number: 13009-99-9

Melting Point: Mp 169-172°

>>Derivative: Propanoate salt

Synonym(s): Sulfomyl

Melting Point: Mp 158°

>>Derivative: Compd. with 4-Amino-*N*-(aminothioxomethyl)benzenesulfonamide (1:1)

Synonym(s): **Sulfatolamide**, INN. Sulphatolamide, BAN. Aseptorid. Marbadal. Marbaletten. Mirbedal. Sulfathiamid M

CAS Registry Number: 1161-88-2

Biological Use/Importance: Antibacterial agent

Physical Description: Cryst.

Melting Point: Mp 179-181°

References: