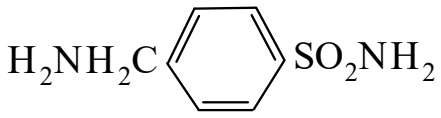
>>**Entry Name: Mafenide,** BAN, INN, USAN

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: $C_7H_{10}N_2O_2S$
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: