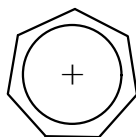




>>Entry Name: Tropylium(1+)

Synonym(s): Cycloheptatrienylium(1+), 9Cl. Cycloheptatrienocarbonium



CAS Registry Number: 26811-28-9

Molecular Formula: $C_7H_7^{(+)}$

Molecular Weight: 91.132

Accurate Mass: 91.054775

Percentage Composition: C 92.26%; H 7.74%

>>Derivative: Bromide

CAS Registry Number: 5376-03-4

Molecular Formula: C_7H_7Br

Molecular Weight: 171.036

Accurate Mass: 169.993111

Percentage Composition: C 49.16%; H 4.13%; Br 46.72%

Physical Description: Yellow cryst. (EtOH)

Melting Point: Mp 203 dec.°

>>Derivative: Chloride

CAS Registry Number: 1282-35-5

Molecular Formula: C_7H_7Cl

Molecular Weight: 126.585

Accurate Mass: 126.023627

Percentage Composition: C 66.42%; H 5.57%; Cl 28.01%

Physical Description: Cryst. (MeCN)

Melting Point: Mp 106 dec.°

>>Derivative: Hexachloroantimonate

CAS Registry Number: 26810-97-9

Molecular Formula: $C_7H_7Cl_6Sb$

Molecular Weight: 425.599

Accurate Mass: 421.771708

Percentage Composition: C 19.76%; H 1.66%; Cl 49.98%; Sb 28.61%

Physical Description: Pale-yellow prisms (MeNO₂)

Melting Point: Mp 190°

>>Derivative: Hexafluorophosphate

CAS Registry Number: 29663-54-5

Molecular Formula: $C_7H_7F_6P$

Molecular Weight: 236.096

Accurate Mass: 236.018955

Percentage Composition: C 35.61%; H 2.99%; F 48.28%; P 13.12%

Melting Point: Mp 198-211°

Aldrich: 16461-5

>>Derivative: Iodide

Molecular Formula: C_7H_7I

Molecular Weight: 218.037

Accurate Mass: 217.959248

Percentage Composition: C 38.56%; H 3.24%; I 58.20%

Physical Description: Red cryst.

Melting Point: Mp 127 dec.°