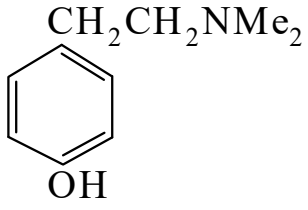
>>**Entry Name: Hordenine**
Synonym(s): 4-(2-Dimethylaminoethyl)phenol, 9CI. Eremursine. Anhaline. Peyocactine. *N*-Dimethyltyramine. Cactine



CAS Registry Number: 539-15-1

Molecular Formula: $C_{10}H_{15}NO$
Molecular Weight: 165.235
Accurate Mass: 165.115364
Percentage Composition: C 72.69%; H 9.15%; N 8.48%; O 9.68%
Biological Source: Alkaloid from *Anhalonium fissuratum, Hordeum vulgare*, a very wide range of plant spp. esp. in the Cactaceae. Also present in the Amaryllidaceae, Gramineae, Leguminosae and a few algae and fungi
Biological Use/Importance: Diuretic, disinfectant, antihypotensive (in large doses) agent. Used for treatment of dysentery. Feeding repellant for grasshoppers. Shows similar actions to 2-(Methylamino)-1-phenyl-1-propanol BCJ45-G
Melting Point: Mp 118°
Boiling Point: Bp_{11} 173-174°
Calculated Log P Data: Log P 1.17 (calc)

>>**Derivative:** Hydrochloride

Melting Point: Mp 176-177°

>>**Derivative:** Sulfate (2:1)

CAS Registry Number: 622-64-0
Melting Point: Mp 207-208°

>>**Derivative:** *N*-Me
Synonym(s): Candicine. Maltoxin

CAS Registry Number: 6656-13-9

Molecular Formula: $C_{11}H_{18}NO^{(+)}$
Molecular Weight: 180.269
Accurate Mass: 180.138839
Percentage Composition: C 73.29%; H 10.06%; N 7.77%; O 8.88%
Biological Source: Quaternary alkaloid from *Trichocereus candicans, Trichocereus lamprochlorus, Trichocereus spachianus*, several *Desmodium* spp. (Cactaceae, Leguminosae) and several other spp. in different families. Also from mescal (*Lophophora williamsii*)
Hazard & Toxicity: Toxic, LD_{50} (rat) 50 mg/kg

>>**Derivative:** *N*-Me, chloride

Molecular Formula: $C_{11}H_{18}ClNO$
Molecular Weight: 215.722
Accurate Mass: 215.107691
Percentage Composition: C 61.25%; H 8.41%; Cl 16.43%; N 6.49%; O 7.42%
Melting Point: Mp 285 dec.°

>>**Derivative:** *N*-Me, iodide

CAS Registry Number: 1976-98-3
Molecular Formula: $C_{11}H_{18}INO$
Molecular Weight: 307.174
Accurate Mass: 307.043312
Percentage Composition: C 43.01%; H 5.91%; I 41.31%; N 4.56%; O 5.21%
Melting Point: Mp 230-231°
Rare Chemicals Library: S42439-0

>>**Derivative:** Me ether