>>**Entry Name: 5-Nitroindazole**

CAS Registry Number: 5401-94-5

Molecular Formula: $C_7H_5N_3O_2$
Molecular Weight: 163.135
Accurate Mass: 163.038177
Percentage Composition: C 51.54%; H 3.09%; N 25.76%; O 19.61%
Physical Description: Leaflets or needles (EtOH)
Melting Point: Mp 208°
pKa Value: pK_{a1} 11.69 (25°)
Other Data: Spar. steam-volatile. Conc. alkali → red soln. → yellow on dilution

Aldrich: 21675-5
Fluka: 73409

>>**Derivative:** *N*-Ac

CAS Registry Number: 13436-55-0
Molecular Formula: $C_9H_7N_3O_3$
Molecular Weight: 205.173
Accurate Mass: 205.048742
Percentage Composition: C 52.69%; H 3.44%; N 20.48%; O 23.39%
Physical Description: 2 Forms: needles (EtOH) and needles (Me_2CO/Et_2O)
Melting Point: Mp 138-139°. Mp 158.9°
Other Data: Structs. not clear. Possibly 1-Ac and 2-Ac

>>**Derivative:** *N*-Benzoyl

CAS Registry Number: 23856-15-7
Molecular Formula: $C_{14}H_9N_3O_3$
Molecular Weight: 267.243
Accurate Mass: 267.064392
Percentage Composition: C 62.92%; H 3.39%; N 15.72%; O 17.96%
Physical Description: 2 Forms: leaflets (C_6H_6) and prisms (Me_2CO)
Melting Point: Mp 193-194°

>>**Variant:** 1*H*-form

Molecular Formula: $C_7H_5N_3O_2$
Molecular Weight: 163.135
Accurate Mass: 163.038177
Percentage Composition: C 51.54%; H 3.09%; N 25.76%; O 19.61%

>>**Derivative:** *N*-Me
Synonym(s): 1-Methyl-5-nitro-1*H*-indazole

CAS Registry Number: 5228-49-9
Molecular Formula: $C_8H_7N_3O_2$
Molecular Weight: 177.162
Accurate Mass: 177.053827
Percentage Composition: C 54.24%; H 3.98%; N 23.72%; O 18.06%
Physical Description: Pale-yellow needles (C_6H_6/petrol)
Melting Point: Mp 129°

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

Physical Description: Golden yellow leaflets (H_2O)
Melting Point: Mp 203 dec.°

>>**Derivative:** *N*-Nitro
Synonym(s): 1,5-Dinitro-1*H*-indazole