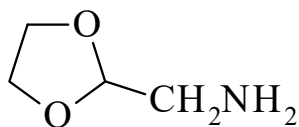




>>Entry Name: **1,3-Dioxolane-2-methanamine**, 9CI

Synonym(s): 2-(Aminomethyl)-1,3-dioxolane



CAS Registry Number: 4388-97-0

Molecular Formula: C₄H₉NO₂

Molecular Weight: 103.121

Accurate Mass: 103.063329

Percentage Composition: C 46.59%; H 8.80%; N 13.58%; O 31.03%

Physical Description: Oil

>>Derivative: *N*-Me

CAS Registry Number: 57366-77-5

Molecular Formula: C₅H₁₁NO₂

Molecular Weight: 117.147

Accurate Mass: 117.078979

Percentage Composition: C 51.26%; H 9.46%; N 11.96%; O 27.31%

Refractive Index: n_D²⁰ 1.4404

Aldrich: 27974-9

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

CAS Registry Number: 33756-73-9

Molecular Formula: C₆H₁₃NO₂

Molecular Weight: 131.174

Accurate Mass: 131.094629

Percentage Composition: C 54.94%; H 9.99%; N 10.68%; O 24.39%

Boiling Point: Bp₃ 70°

>>Derivative: *N,N*-Di-Me, hydrochloride

Physical Description: Cryst. (EtOH/Et₂O)

Melting Point: Mp 154-155°

References:

U.S. Pat., 1952, 2 603 639; *CA*, **47**, 4369a, (*synth*)

Sami, S.M. *et al.*, *J. Med. Chem.*, 1989, **32**, 703, (*synth, derivs*)

Cammon, J.G. *et al.*, *J. Med. Chem.*, 1991, **34**, 1582, (*synth derivs*)