



>>Entry Name: Cyanobutanedioic acid, 9CI

Synonym(s): Cyanosuccinic acid

HOOCCH(CN)CH₂COOH

Molecular Formula: C₅H₅NO₄

Molecular Weight: 143.099

Accurate Mass: 143.021859

Percentage Composition: C 41.97%; H 3.52%; N 9.79%; O 44.72%

>>Variant: (±)-form

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Accurate Mass: 143.021859

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>>Derivative: Di-Me ester

CAS Registry Number: 6283-71-2

Molecular Formula: C₇H₉NO₄

Molecular Weight: 171.152

Accurate Mass: 171.053159

Percentage Composition: C 49.12%; H 5.30%; N 8.18%; O 37.39%

Physical Description: Liq.

Boiling Point: Bp₄₅ 196-204°. Bp_{0.5} 92°

References:

Barthe, L., *Ann. Chim. (Paris)*, 1892, **27**, 239

Hall, H.K. *et al.*, *J.A.C.S.*, 1975, **97**, 800