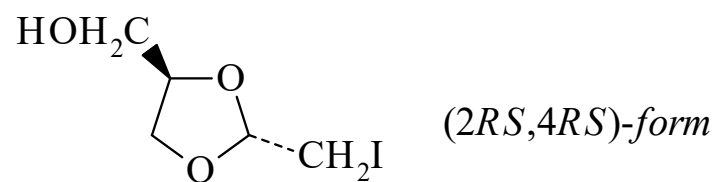




>>Entry Name: **2-(Iodomethyl)-1,3-dioxolane-4-methanol**, 9CI

Synonym(s): 2-Hydroxymethyl-4-iodomethyl-1,3-dioxolane. **Domiodol**, INN, USAN. Lisomucol. MG 13608



CAS Registry Number: 61869-07-6

Molecular Formula: C₅H₉IO₃

Molecular Weight: 244.029

Accurate Mass: 243.959643

Percentage Composition: C 24.61%; H 3.72%; I 52.00%; O 19.67%

Use/Importance: Mucolytic agent

Refractive Index: n_D²⁰ 1.5470

Calculated Log P Data: Log P 0.27 (calc)

>>Variant: (2*RS*,4*RS*)-form

Synonym(s): (±)-*cis*-form

CAS Registry Number: 61508-57-4

Molecular Formula: C₅H₉IO₃

Molecular Weight: 244.029

Accurate Mass: 243.959643

Percentage Composition: C 24.61%; H 3.72%; I 52.00%; O 19.67%

Boiling Point: Bp_{0.2} 114-116°

Hazard & Toxicity: LD₅₀ (mus, orl) 150 mg/kg

>>Variant: (2*RS*,4*SR*)-form

Synonym(s): (±)-*trans*-form

CAS Registry Number: 61508-55-2

Molecular Formula: C₅H₉IO₃

Molecular Weight: 244.029

Accurate Mass: 243.959643

Percentage Composition: C 24.61%; H 3.72%; I 52.00%; O 19.67%

Boiling Point: Bp_{0.2} 106-108°

Hazard & Toxicity: LD₅₀ (mus, orl) 135 mg/kg

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Riva, M. *et al.*, *Arzneim.-Forsch.*, 1983, **33**, 1091; 1281, (*pharmacol, isom, tox*)

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