>>**Entry Name: [10]-Gingerol**
Synonym(s): 5-Hydroxy-1-(4-hydroxy-3-methoxyphenyl)-3-tetradecanone, 9CI

CAS Registry Number: 107257-18-1

As [6]-Gingerol, HCV46-D with
n = 8

Molecular Formula: $C_{21}H_{34}O_4$
Molecular Weight: 350.497
Accurate Mass: 350.24571
Percentage Composition: C 71.96%; H 9.78%; O 18.26%

>>**Variant:** (*S*)-form

CAS Registry Number: 23513-15-7

Molecular Formula: $C_{21}H_{34}O_4$
Molecular Weight: 350.497
Accurate Mass: 350.24571
Percentage Composition: C 71.96%; H 9.78%; O 18.26%
Biological Source: Constit. of ginger, the rhizome of *Zingiber officinale*
Melting Point: Mp 45-46°
Optical Rotation: $[\alpha]_D$ +22.7 (c, 1.02 in $CHCl_3$)

>>**Variant:** (±)-form

CAS Registry Number: 77398-93-7
Molecular Formula: $C_{21}H_{34}O_4$
Molecular Weight: 350.497
Accurate Mass: 350.24571
Percentage Composition: C 71.96%; H 9.78%; O 18.26%
Physical Description: Solid (petrol)
Melting Point: Mp 44-45° (40°)

References:

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Fleming, S.A. *et al.*, *Synth. Commun.*, 1999, **29**, 1933-1939, *(synth, pmr, cmr)*

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