

Supporting Information (file 3)

**Menthyl esterification allows chiral resolution for synthesis of
artificial glutamate analogs**

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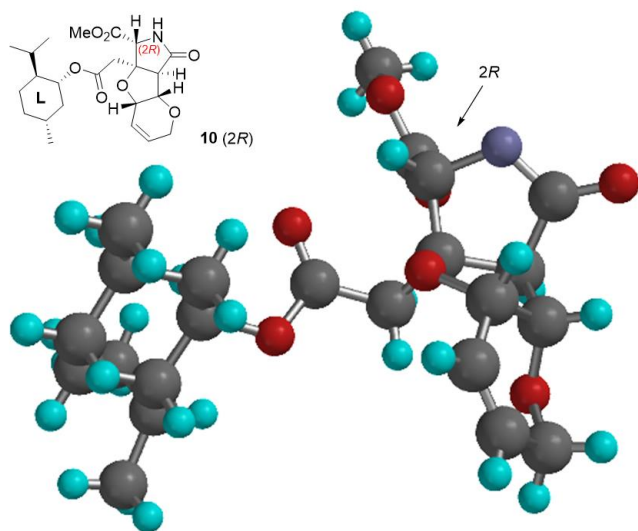
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Contents:

X-ray structure for menthyl ester 10

SIII-2 ~ SIII-6

Structure for menthyl ester 10:



CCDC accession number: 1869703

Summary for AA70052-002

Formula: C23 H33 N1 O7

***** Unit Cell Parameters *****

a: 7.6078(14)
b: 45.560(7)
c: 6.4775(18)
alpha: 90.000
beta: 90.000
gamma: 90.000
volume: 2245.2(8)

***** Model Refinement *****

R1 factor [I > 2.0sigma(I)]: 0.0503
R factor [all data]: 0.0727
wR factor [all data]: 0.1453
goodness of fit: 1.070
of observations: 2358
of variables: 280
refl/para ratio: 8.4
maximum shift/error: 0.00
Refinement program: SHELXL 2016/6
Refinement mode: Single
Flack Parameter: -0.7(4)

***** Space Group Information *****

symbol: P212121
number: 19
centricity: acentric
Z value: 4
formula weight: 435.52
calculated density: 1.288
mu (cm⁻¹): 7.842
crystal system: orthorhombic
laue group: mmm
lattice type: P

***** Reflection Corrections *****

absorption applied: Yes
abs. type: PSI
abs. range: 0.985-0.999
decay applied: Yes
decay (%): -1.39
redundants averaged: Yes

***** Reflection Processing *****

total # processed: 2403
total # unique: 2358
R merge (%): 0.00
Wilson B: 3.14

***** Experimental Information *****

radiation: Cu
wavelength: 1.54178
max. 2theta: 135.9
sin(theta)/lambda: 0.6011
temperature (C): -80.0

