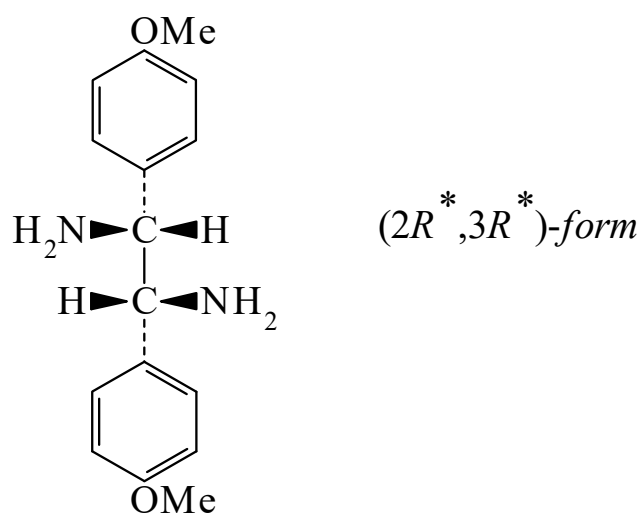




>>Entry Name: 1,2-Bis(4-methoxyphenyl)-1,2-ethanediamine, 9Cl



CAS Registry Number: 51208-43-6

Molecular Formula: C₁₆H₂₀N₂O₂

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

>>Variant: (1R*,2R*)-form

Synonym(s): (+)-*erythro*-form

CAS Registry Number: 58520-03-9

Molecular Formula: C₁₆H₂₀N₂O₂

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

Melting Point: Mp 89-91°

Optical Rotation: [α]_D²⁵₅₄₇ +138.57 (c, 1.0 in MeOH)

>>Variant: (1S*,2S*)-form

Synonym(s): (–)-*erythro*-form

CAS Registry Number: 58520-04-0

Molecular Formula: C₁₆H₂₀N₂O₂

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

Melting Point: Mp 89-91°

Optical Rotation: [α]_D²⁵₅₄₇ –137.32 (c, 1.0 in MeOH)

Aldrich: 45421-4

>>Variant: (1RS,2RS)-form

Synonym(s): (±)-*erythro*-form

CAS Registry Number: 58519-98-5

Molecular Formula: C₁₆H₂₀N₂O₂

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

Physical Description: Needles (Et₂O)

Melting Point: Mp 114°

>>Variant: (1RS,2SR)-form

Synonym(s): *meso*-form

CAS Registry Number: 58520-45-9

Molecular Formula: C₁₆H₂₀N₂O₂

Molecular Weight: 272.346

Accurate Mass: 272.152478

Percentage Composition: C 70.56%; H 7.40%; N 10.29%; O 11.75%

Use/Importance: Fluorogenic reagent for anal. of reducing sugars

Physical Description: Cryst. (MeCN)

Melting Point: Mp 151-152°