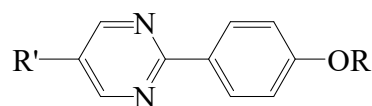




>>Entry Name: 2-(4-Alkoxyphenyl)-5-alkylpyrimidines



Use/Importance: Liq. cryst. materials; props. dependent on chain lengths

>>Variant: 2-[4-(Hexyloxy)phenyl]-5-octylpyrimidine

CAS Registry Number: 57202-48-9

Molecular Formula: C₂₄H₃₆N₂O

Molecular Weight: 368.561

Accurate Mass: 368.282763

Percentage Composition: C 78.21%; H 9.84%; N 7.60%; O 4.34%

Melting Point: Mp 27.5°

Other Data: Nematic to liq. transition point 65°

>>Variant: 2-[4-(Hexyloxy)phenyl]-5-nonylpyrimidine

CAS Registry Number: 57202-56-9

Molecular Formula: C₂₅H₃₈N₂O

Molecular Weight: 382.588

Accurate Mass: 382.298413

Percentage Composition: C 78.49%; H 10.01%; N 7.32%; O 4.18%

Melting Point: Mp 24°

Other Data: Nematic to liq. transition point 70.5°

>>Variant: 5-Heptyl-2-[4-(nonyloxy)phenyl]pyrimidine

CAS Registry Number: 57202-40-1

Molecular Formula: C₂₆H₄₀N₂O

Molecular Weight: 396.615

Accurate Mass: 396.314063

Percentage Composition: C 78.74%; H 10.17%; N 7.06%; O 4.03%

Melting Point: Mp 45.5°

Other Data: Nematic to liq. transition point 70°

>>Variant: 5-Octyl-2-[4-(octyloxy)phenyl]pyrimidine

CAS Registry Number: 57202-50-3

Molecular Formula: C₂₆H₄₀N₂O

Molecular Weight: 396.615

Accurate Mass: 396.314063

Percentage Composition: C 78.74%; H 10.17%; N 7.06%; O 4.03%

Melting Point: Mp 28.5°

Other Data: Nematic to liq. transition point 68°

>>Variant: 5-Nonyl-2-[4-(octyloxy)phenyl]pyrimidine

CAS Registry Number: 57202-58-1

Molecular Formula: C₂₇H₄₂N₂O

Molecular Weight: 410.642

Accurate Mass: 410.329713

Percentage Composition: C 78.97%; H 10.31%; N 6.82%; O 3.90%

Melting Point: Mp 33°

Other Data: Nematic to liq. transition point >74.5°

>>Variant: 2-[4-(Nonyloxy)phenyl]-5-octylpyrimidine

CAS Registry Number: 57202-51-4

Molecular Formula: C₂₇H₄₂N₂O

Molecular Weight: 410.642

Accurate Mass: 410.329713

Percentage Composition: C 78.97%; H 10.31%; N 6.82%; O 3.90%

Melting Point: Mp 33°

Other Data: Nematic to liq. transition point 68.5°