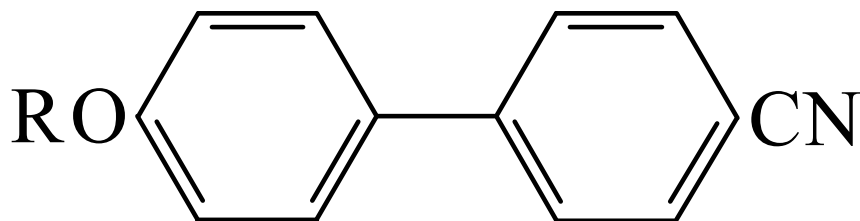




>>Entry Name: 4-Alkoxy-4'-cyanobiphenyls

Synonym(s): 4'-Alkoxy-[1,1'-biphenyl]-4-carbonitriles, 9CI



Related CAS Registry Numbers(s): 63748-28-7

Use/Importance: A family of compds. showing liq. cryst. behaviour, used in liq. cryst. devices

>>Variant: 4-Cyano-4'-methoxybiphenyl

Synonym(s): 4'-Methoxy-[1,1'-biphenyl]-4-carbonitrile, 9CI

CAS Registry Number: 58743-77-4

Molecular Formula: $C_{14}H_{11}NO$

Molecular Weight: 209.247

Accurate Mass: 209.084064

Percentage Composition: C 80.36%; H 5.30%; N 6.69%; O 7.65%

Melting Point: Mp 104°

>>Variant: 4-Cyano-4'-ethoxybiphenyl

Synonym(s): 4'-Ethoxy-[1,1'-biphenyl]-4-carbonitrile, 9CI

CAS Registry Number: 58743-78-5

Molecular Formula: $C_{15}H_{13}NO$

Molecular Weight: 223.274

Accurate Mass: 223.099714

Percentage Composition: C 80.69%; H 5.87%; N 6.27%; O 7.17%

Melting Point: Mp 139°

>>Variant: 4-Cyano-4'-propoxybiphenyl

Synonym(s): 4'-Propyloxy-[1,1'-biphenyl]-4-carbonitrile, 9CI

CAS Registry Number: 52709-86-1

Molecular Formula: $C_{16}H_{15}NO$

Molecular Weight: 237.301

Accurate Mass: 237.115364

Percentage Composition: C 80.98%; H 6.37%; N 5.90%; O 6.74%

Melting Point: Mp 71.5°

Rare Chemicals Library: S4575-7