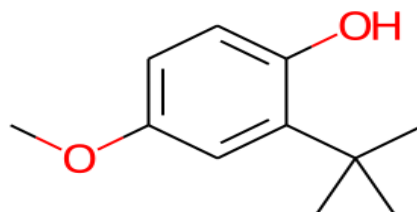


VERA: Similarity and Grouping:

Molecule Input:

TotGroups: 7

['methoxy', 'phenol', 'phenol_noOrthoHbond', 'Ar_OR', 'Ar_R',
'op_diphenolo_OR', 'CC4']



LogP: 2.698

MaxPartialCharge: 0.119

MinPartialCharge: -0.508

NumHAcceptors: 2

NumHDonors: 1

NumRotatableBonds: 1

NumAliphaticRings: 0

NumAromaticCarbocycles: 1

NumAromaticHeterocycles: 0

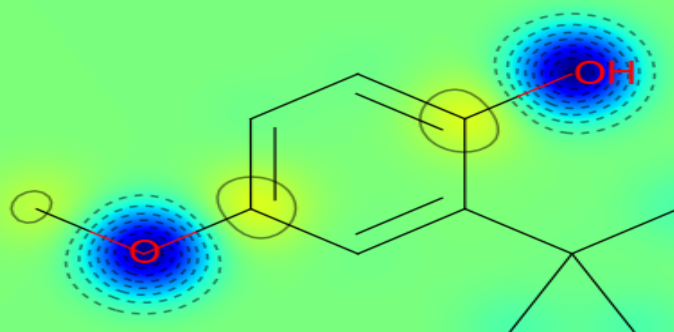
NumAromaticRings: 1

ExactMolWt: 180.115

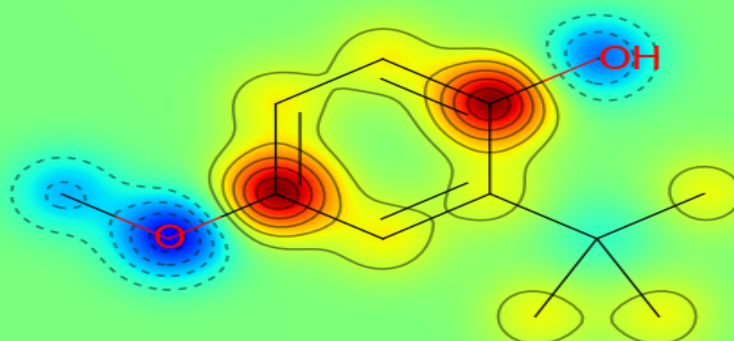
Experimental Value is known: Active

Prediction: equivocal2.0

GasteigerCharges:



CrippenContribs:



Molecules with the highest group similarity

1) SMILES: COc1ccc(O)c(C(C)(C)C)c1

Class: Active

SimilarityVega: 1.0

SimilarityGrouping: 1.0

Grp_Similarity_Mean: 1.0

Groups in common: 9

TotGroups 9

GROUPS:

methoxy Stat: Neutro

phenol Stat: Neutro

phenol_noOrthoHbond Stat: Neutro

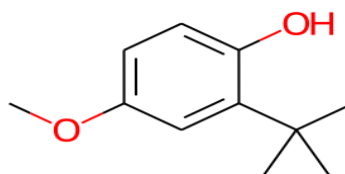
Ar_OR Stat: Neutro

Ar_R Stat: Neutro

op_diphenolo_OR Stat: Neutro

CC4 Stat: Neutro

Alerts: []



2) SMILES: Cc1c(C)c2c(c(C)c1O)CCC(C)(CCCC(C)CCCC(C)CCCC(C)C)O2

Class: NON-Active

SimilarityVega: 0.684

SimilarityGrouping: 0.91

Grp_Similarity_Mean: 0.797

Groups in common: 8

TotGroups 11

GROUPS:

bicyclic Stat: Neutro

phenol Stat: Neutro

phenol_noOrthoHbond Stat: Neutro

benzCH2 Stat: Neutro

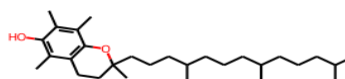
Ar_OR Stat: Neutro

Ar_R Stat: Neutro

op_diphenolo_OR Stat: Neutro

CC4 Stat: Neutro

Alerts: []



3) SMILES: CC(C)(C)c1cc(O)ccc1O

Class: NON-Active

SimilarityVega: 0.948

SimilarityGrouping: 0.851

Grp_Similarity_Mean: 0.9

Groups in common: 7

TotGroups 10

GROUPS:

phenol Stat: Neutro

phenol_noOrthoHbond Stat: Neutro

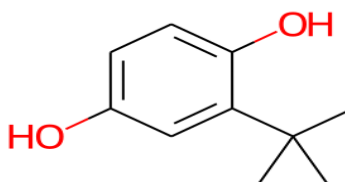
biphenol Stat: Neutro

Ar_R Stat: Neutro

op_diphenolo_OR Stat: Neutro

CC4 Stat: Neutro

Alerts: []



4) SMILES: CCCCCOC1C(C)C(O)C(C)C1C

Class: NON-Active

SimilarityVega: 0.842

SimilarityGrouping: 0.843

Grp_Similarity_Mean: 0.842

Groups in common: 7

TotGroups 11

GROUPS:

aryl_methyl Stat: Neutro

phenol Stat: Neutro

phenol_noOrthoHbond Stat: Neutro

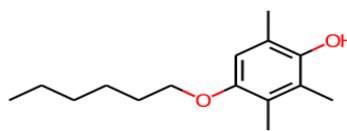
unbrch_alkane Stat: Neutro

Ar_OR Stat: Neutro

Ar_R Stat: Neutro

op_diphenolo_OR Stat: Neutro

Alerts: []



5) SMILES: CC(C)(C)c1ccc(O)cc1

Class: NON-Active

SimilarityVega: 0.875

SimilarityGrouping: 0.833

Grp_Similarity_Mean: 0.854

Groups in common: 6

TotGroups 6

GROUPS:

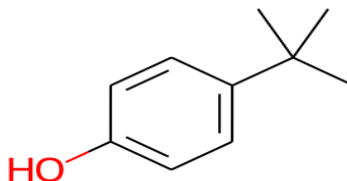
phenol Stat: Neutro

phenol_noOrthoHbond Stat: Neutro

Ar_R Stat: Neutro

CC4 Stat: Neutro

Alerts: []



6) SMILES: Cc1ccc(O)c(C(C)(C)C)c1

Class: NON-Active

SimilarityVega: 0.892

SimilarityGrouping: 0.802

Grp_Similarity_Mean: 0.847

Groups in common: 6

TotGroups 8

GROUPS:

aryl_methyl Stat: Neutro

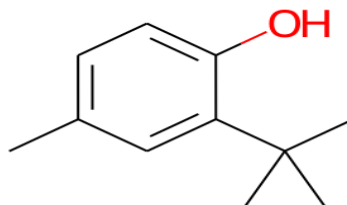
phenol Stat: Neutro

phenol_noOrthoHbond Stat: Neutro

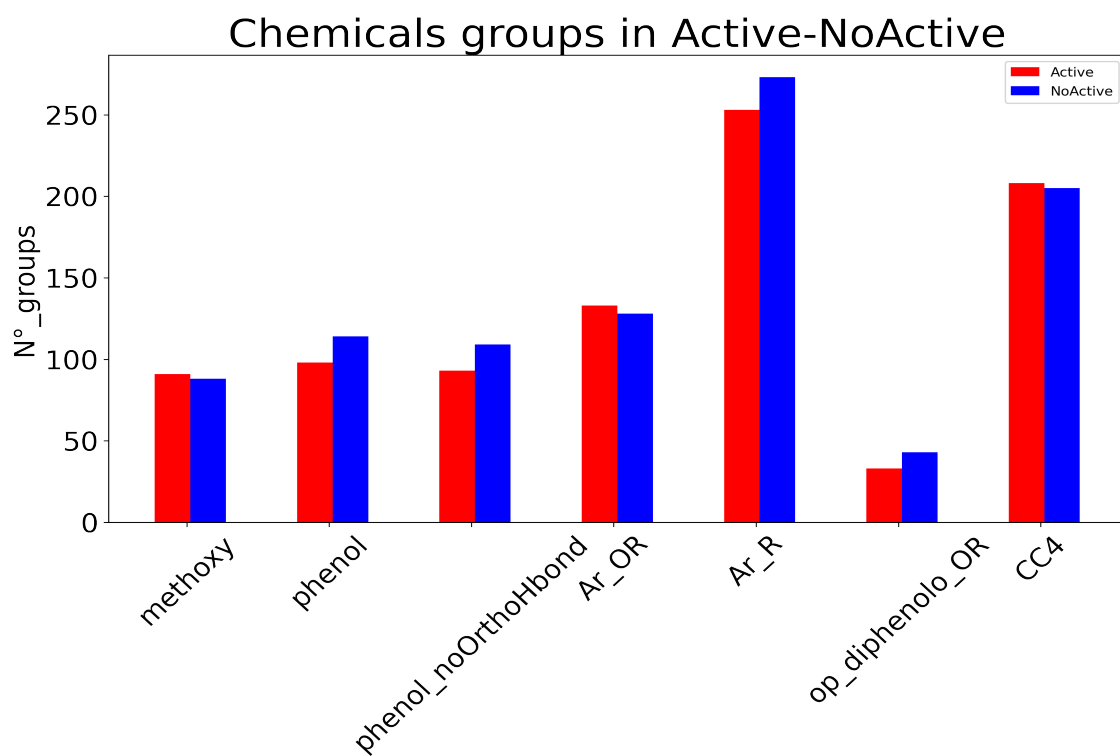
Ar_R Stat: Neutro

CC4 Stat: Neutro

Alerts: []



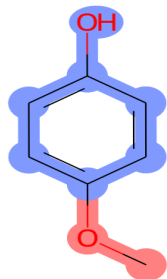
Molecule Input: Bar Chart for groups in dataset find in target



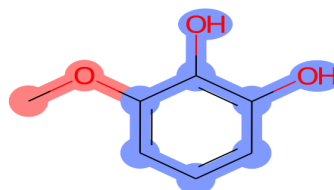
Reasoning

Orthogonal Research based on copresence of group with high prevalence methoxy and GRP phenol

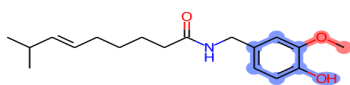
Smile: COc1ccc(O)cc1
 Class: Active
 Similarity: 0.849



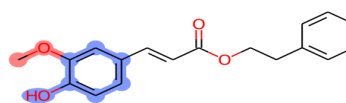
Smile: COc1cccc(O)c1O
 Class: Active
 Similarity: 0.807



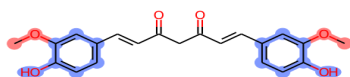
Smile: COc1cc(CNC(=O)CCCCC=CC(C)C)ccc1O
 Class: Active
 Similarity: 0.73



Smile: COc1cc(C=CC(=O)OCCc2ccccc2)ccc1O
 Class: NON-Active
 Similarity: 0.718



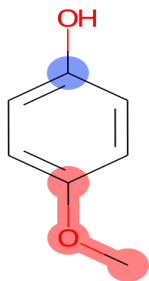
Smile:
COc1cc(C=CC(=O)CC(=O)C=Cc2ccc(O)c(OC)c2)ccc1O
 Class: NON-Active
 Similarity: 0.656



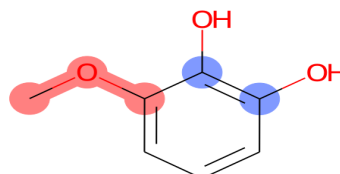
Reasoning

Ortogonal Research based on copresence of group with high prevalence methoxy and GRP phenol_noOrthoHbond

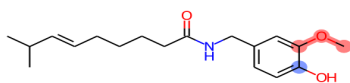
Smile: COc1ccc(O)cc1
 Class: Active
 Similarity: 0.849



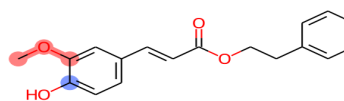
Smile: COc1cccc(O)c1O
 Class: Active
 Similarity: 0.807



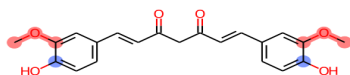
Smile: COc1cc(CNC(=O)CCCCC=CC(C)C)ccc1O
 Class: Active
 Similarity: 0.73



Smile: COc1cc(C=CC(=O)OCCc2ccccc2)ccc1O
 Class: NON-Active
 Similarity: 0.718



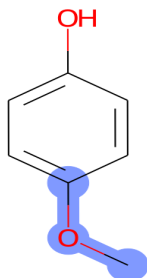
Smile:
COc1cc(C=CC(=O)CC(=O)C=Cc2ccc(O)c(OC)c2)ccc1O
 Class: NON-Active
 Similarity: 0.656



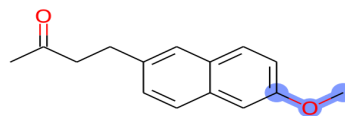
Reasoning

Orthogonal Research based on copresence of group with high prevalence methoxy and GRP Ar_OR

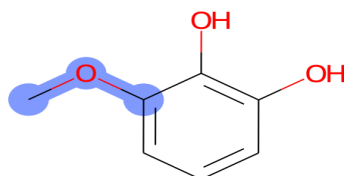
Smile: COc1ccc(O)cc1
Class: Active
Similarity: 0.849



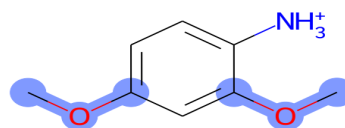
Smile: COc1ccc2cc(CCC(C)=O)ccc2c1
Class: NON-Active
Similarity: 0.833



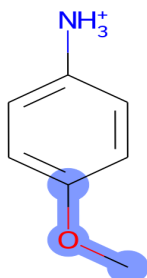
Smile: COc1cccc(O)c1O
Class: Active
Similarity: 0.807



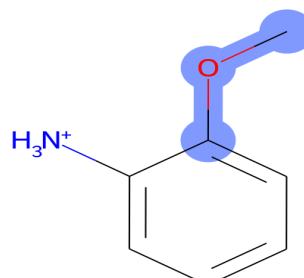
Smile: COc1ccc([NH3+])c(OC)c1
Class: NON-Active
Similarity: 0.806



Smile: COc1ccc([NH3+])cc1
Class: NON-Active
Similarity: 0.793



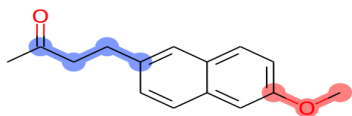
Smile: COc1ccccc1[NH3+]
Class: Active
Similarity: 0.79



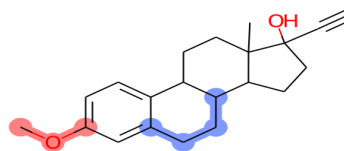
Reasoning

Orthogonal Research based on copresence of group with high prevalence methoxy and GRP Ar_R

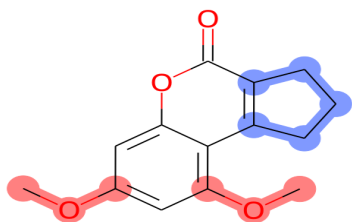
Smile: COc1ccc2cc(CCC(C)=O)ccc2c1
 Class: NON-Active
 Similarity: 0.833



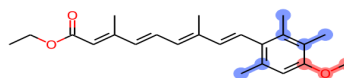
Smile: C#CC1(O)CCC2C3CCc4cc(OC)ccc4C3CCC21C
 Class: Active
 Similarity: 0.754



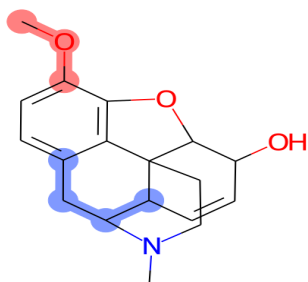
Smile: COc1cc(OC)c2c3c(c(=O)oc2c1)CCC3
 Class: NON-Active
 Similarity: 0.7030000000000001



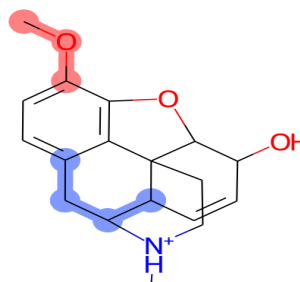
Smile:
CCOC(=O)C=C(C)C=CC=C(C)C=Cc1c(C)cc(OC)c(C)c1C
 Class: NON-Active
 Similarity: 0.6930000000000001



Smile: COc1ccc2c3c1OC1C(O)C=CC4C(C2)N(C)CCC341
 Class: NON-Active
 Similarity: 0.664



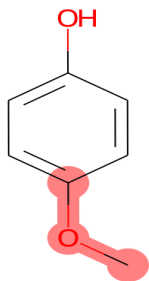
Smile:
COc1ccc2c3c1OC1C(O)C=CC4C(C2)[NH+](C)CCC341
 Class: NON-Active
 Similarity: 0.66



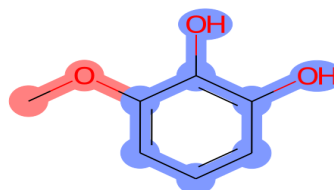
Reasoning

Ortogonal Research based on copresence of group with high prevalence methoxy and GRP op_diphenolo_OR

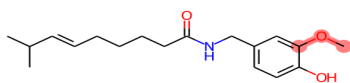
Smile: COc1ccc(O)cc1
 Class: Active
 Similarity: 0.849



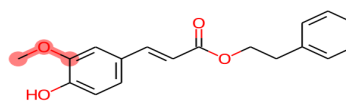
Smile: COc1cccc(O)c1O
 Class: Active
 Similarity: 0.807



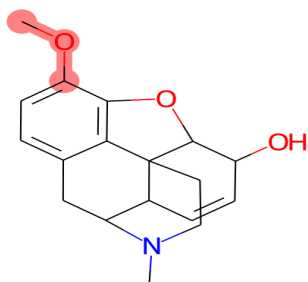
Smile: COc1cc(CNC(=O)CCCCC=CC(C)C)ccc1O
 Class: Active
 Similarity: 0.73



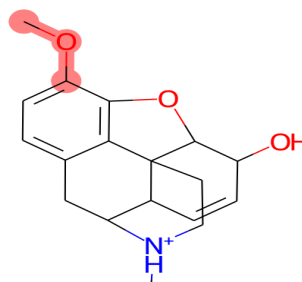
Smile: COc1cc(C=CC(=O)OCCc2ccccc2)ccc1O
 Class: NON-Active
 Similarity: 0.718



Smile: COc1ccc2c3c1OC1C(O)C=CC4C(C2)N(C)CCC341
 Class: NON-Active
 Similarity: 0.664



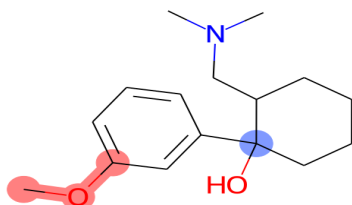
Smile:
COc1ccc2c3c1OC1C(O)C=CC4C(C2)[NH+](C)CCC341
 Class: NON-Active
 Similarity: 0.66



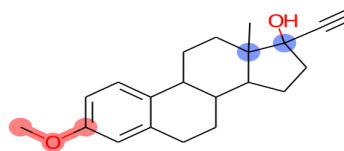
Reasoning

Orthogonal Research based on copresence of group with high prevalence methoxy and GRP CC4

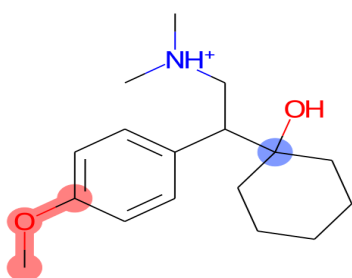
Smile: COc1cccc(C2(O)CCCCC2CN(C)C)c1
 Class: NON-Active
 Similarity: 0.76



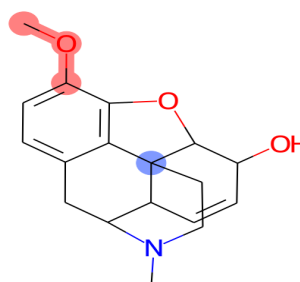
Smile: C#CC1(O)CCC2C3CCc4cc(OC)ccc4C3CCC21C
 Class: Active
 Similarity: 0.754



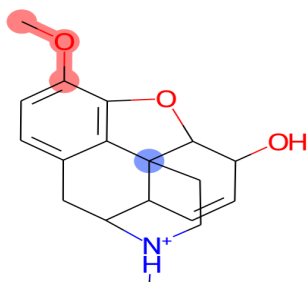
Smile: COc1ccc(C(C[NH+](C)C)C2(O)CCCCC2)cc1
 Class: NON-Active
 Similarity: 0.731



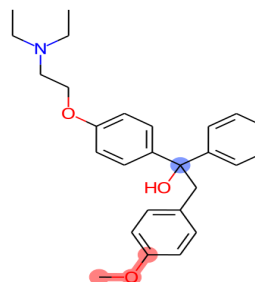
Smile: COc1ccc2c3c1OC1C(O)C=CC4C(C2)N(C)CCC341
 Class: NON-Active
 Similarity: 0.664



Smile:
COc1ccc2c3c1OC1C(O)C=CC4C(C2)[NH+](C)CCC341
 Class: NON-Active
 Similarity: 0.66

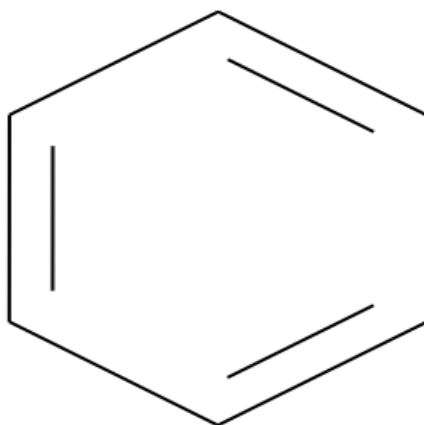


Smile:
CCN(CC)CCOc1ccc(C(O)(Cc2ccc(OC)cc2)c2ccccc2)cc1
 Class: NON-Active
 Similarity: 0.658

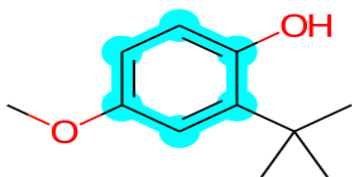


Scaffold

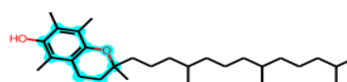
Scaffold analysis



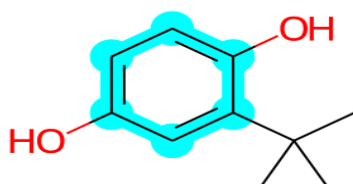
Smile: COC1ccc(O)c(C(C)(C)C)c1
 Class: Active
 Similarity: 1.0



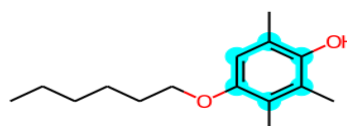
Smile:
Cc1c(C)c2c(c(C)c1O)CCC(C)(CCCC(C)CCCC(C)CCCC(C)C)O2
 Class: NON-Active
 Similarity: 0.684



Smile: CC(C)(C)c1cc(O)ccc1O
 Class: NON-Active
 Similarity: 0.948



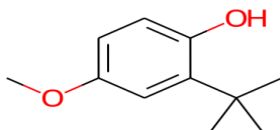
Smile: CCCCCOc1cc(C)c(O)c(C)c1C
 Class: NON-Active
 Similarity: 0.842



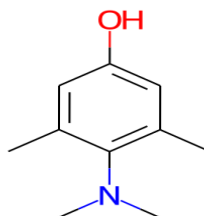
Descriptors

Calculator Similarity descriptor

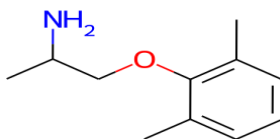
Smile: COc1ccc(O)c(C(C)(C)C)c1
 Class: Active
 DistanceCityBlock: 0.0
 LogP:2.6983000000000006
 MW: 180.115029752



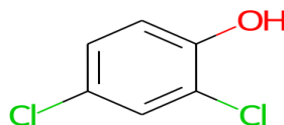
Smile: Cc1cc(O)cc(C)c1N(C)C
 Class: NON-Active
 DistanceCityBlock: 0.648
 LogP:2.0750399999999996
 MW: 165.1153641



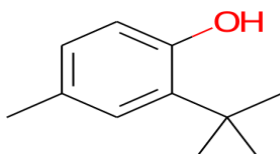
Smile: Cc1cccc(C)c1OCC(C)N
 Class: NON-Active
 DistanceCityBlock: 1.377
 LogP:2.0294399999999997
 MW: 179.131014164



Smile: Oc1ccc(Cl)cc1Cl
 Class: NON-Active
 DistanceCityBlock: 1.492
 LogP:2.699
 MW: 161.963920108



Smile: Cc1ccc(O)c(C(C)(C)C)c1
 Class: NON-Active
 DistanceCityBlock: 1.522
 LogP:2.9981200000000001
 MW: 164.120115132



Smile: CC(C)(C)c1ccc(O)cc1
 Class: NON-Active
 DistanceCityBlock: 1.554
 LogP:2.6897000000000001
 MW: 150.104465068

