>>**Variant:** Shear-form
Synonym(s): Magneli-phases

Molecular Formula: O_2Ti
Molecular Weight: 79.879
Accurate Mass: 79.937777
Percentage Composition: O 40.06%; Ti 59.94%

listed below
Source/Synthesis: Synth. by heating TiO_2 and Ti or by H_2 reduction of TiO_2
Use/Importance: Cosmetic pigments
Physical Description: Black solids

>>**Derivative:** Ti_3O_5

CAS Registry Number: 12065-65-5
Molecular Formula: O_5Ti_3
Molecular Weight: 223.637
Accurate Mass: 223.818416
Percentage Composition: O 35.77%; Ti 64.23%

>>**Derivative:** Ti_4O_7

CAS Registry Number: 12143-55-4
Molecular Formula: O_7Ti_4
Molecular Weight: 303.516
Accurate Mass: 303.756193
Percentage Composition: O 36.90%; Ti 63.10%

>>**Derivative:** Ti_5O_9

CAS Registry Number: 12065-98-4
Molecular Formula: O_9Ti_5
Molecular Weight: 383.395
Accurate Mass: 383.69397
Percentage Composition: O 37.56%; Ti 62.44%

>>**Derivative:** Ti_6O_{11}

CAS Registry Number: 12143-56-5
Molecular Formula: $O_{11}Ti_6$
Molecular Weight: 463.273
Accurate Mass: 463.631747
Percentage Composition: O 37.99%; Ti 62.01%

>>**Derivative:** Ti_7O_{13}

CAS Registry Number: 12143-58-7
Molecular Formula: $O_{13}Ti_7$
Molecular Weight: 543.152
Accurate Mass: 543.569524
Percentage Composition: O 38.29%; Ti 61.71%

>>**Derivative:** Ti_8O_{15}

CAS Registry Number: 12143-59-8
Molecular Formula: $O_{15}Ti_8$
Molecular Weight: 623.031
Accurate Mass: 623.507301
Percentage Composition: O 38.52%; Ti 61.48%

>>**Derivative:** Ti_9O_{17}

CAS Registry Number: 12143-60-1
Molecular Formula: $O_{17}Ti_9$
Molecular Weight: 702.91
Accurate Mass: 703.445078
Percentage Composition: O 38.69%; Ti 61.31%