>>**Entry Name: Molybdenum zinc oxide ($Mo_2Zn_3O_9$)**

CAS Registry Number: 15628-57-6
Related CAS Registry Numbers(s): 61583-60-6
$Mo_2Zn_3O_9$

Molecular Formula: $Mo_2O_9Zn_3$
Molecular Weight: 532.045
Accurate Mass: 531.552482
Percentage Composition: Mo 36.06%; O 27.06%; Zn 36.87%

>>**Derivative:** Monohydrate

Molecular Formula: $H_2Mo_2O_{10}Zn_3$
Molecular Weight: 550.06
Accurate Mass: 549.563047
Percentage Composition: H 0.37%; Mo 34.88%; O 29.09%; Zn 35.66%
Source/Synthesis: Obt. from $Zn_3Mo_2O_9$ in a humid atm.
Other Data: On heating at 350° for several hrs. dehydration occurs followed by dec. to $ZnMoO_4$ and MoO_3

References:

Pascal, P.*, Complements au Nouveau Traite de Chimie Minerale*, (Pacault, A. *et al* Eds.) Masson, Paris, 1976, **5**, 132, *(MoO_3-ZnO system)*