

# Molybdenum, pentacarbonyl(hexamethylphosphorous triamide-P)-, (OC-6-22)-

|                      |                                                                                                                                   |
|----------------------|-----------------------------------------------------------------------------------------------------------------------------------|
| Other names:         | Molybdenum, pentacarbonyl(hexamethylphosphorous triamide)-<br>tris(dimethylamino)phosphine molybdenum pentacarbonyl               |
| Inchi:               | Molybdenum, pentacarbonyl(hexamethylphosphorous triamide-p)-<br>InChI=1S/C6H18N3P.5CO.Mo/c1-7(2)10(8(3)4)9(5)6;5*1-2;/h1-6H3;;;;; |
| InchiKey:            | MLTIMNUOAZENOR-UHFFFAOYSA-N                                                                                                       |
| Formula:             | C11H18MoN3O5P                                                                                                                     |
| SMILES:              | CN(C)P(N(C)C)N(C)C.[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[C-]#[O+].[Mo]                                                         |
| Mol. weight [g/mol]: | 399.21                                                                                                                            |
| CAS:                 | 14971-43-8                                                                                                                        |

## Physical Properties

| Property code | Value       | Unit | Source       |
|---------------|-------------|------|--------------|
| ie            | 5.70 ± 0.05 | eV   | NIST Webbook |
| ie            | 7.80        | eV   | NIST Webbook |

## Sources

NIST Webbook: <http://webbook.nist.gov/cgi/cbook.cgi?ID=C14971438&Units=SI>

## Legend

ie: Ionization energy

Latest version available from:

<https://www.cheméo.com/cid/34-152-5/Molybdenum-pentacarbonyl-hexamethylphosphorous-triamide-P-OC-6-22.pdf>

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