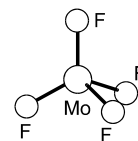


195  
ED

**F<sub>4</sub>Mo**
**Molybdenum tetrafluoride**  
Molybdenum(IV) fluoride

**T<sub>d</sub>** preferred  
MoF<sub>4</sub>

$r_a$	$\text{\AA}^a)$
Mo–F	1.849(3)



The vapor over solid MoF<sub>3</sub> was found to consist of MoF<sub>4</sub> (*ca.* 85%) and MoF<sub>5</sub> (*ca.* 15%) molecules. The nozzle temperature was 943(5) K. The structural parameters of MoF<sub>5</sub> molecule were assumed at the values determined at 551 K, after adjustment for the temperature difference.

<sup>a</sup>) Three times the estimated standard error.

Girichev, G.V., Giricheva, N.I., Krasnova, O.G.: J. Mol. Struct. **567-568** (2001) 203.

Replaces [II/25A\(2, 576\)](#)