



>>Entry Name: Aluminium titanium chloride ($\text{AlTi}_3\text{Cl}_{12}$), 9Cl

CAS Registry Number: 12003-13-3

$\text{AlTi}_3\text{Cl}_{12}$

Molecular Formula: $\text{AlCl}_{12}\text{Ti}_3$

Molecular Weight: 596.054

Accurate Mass: 590.451604

Percentage Composition: Al 4.53%; Cl 71.37%; Ti 24.10%

Source/Synthesis: Synth. by reduction of TiCl_4 with Al powder

Use/Importance: Catalyst for stereospecific polym. of alkenes

Physical Description: Cryst.

References:

Belg. Pat., 1963, 631 587; *CA*, **60**, 12919c, (*synth*)

Fr. Pat., 1972, 2 124 617; *CA*, **78**, 160353f, (*synth*)