



>>Entry Name: Gold(I) chloride (AuCl), 10Cl

CAS Registry Number: 10294-29-8

AuCl

Molecular Formula: AuCl

Molecular Weight: 232.419

Accurate Mass: 231.935395

Percentage Composition: Au 84.75%; Cl 15.25%

Physical Description: Large cryst. obt. by vapour transport

Other Data: Metastable with respect to disproportionation at r.t. to Au and Au₂Cl₆

References:

Janssen, E.M.W. *et al.*, *J. Less-Common Met.*, 1974, **38**, 71, (*synth, cryst struct*)

Strähle, J. *et al.*, *Z. Naturforsch., B*, 1974, **29**, 266, (*cryst struct*)

Brauer, G., *Handbuch Prep. Anorg. Chem.*, 3rd edn., Ferdinand Enke Verlag, 1975, **2**, 1012, (*synth*)

Komiya, S. *et al.*, *J. Organomet. Chem.*, 1977, **135**, 65, (*reactions*)