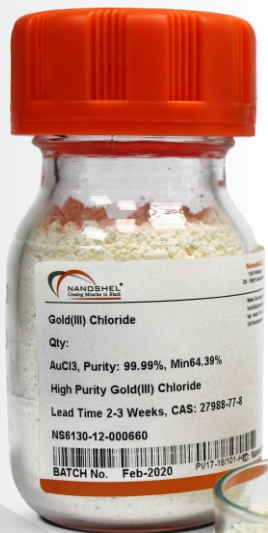


# GOLD III

## Chloride Hydrate

Gold(III) chloride, traditionally called auric chloride, is a chemical compound of gold and chlorine. With the molecular formula  $Au_2Cl_6$ , the name gold trichloride is a simplification, referring to the empirical formula,  $AuCl_3$ . There is also another related chloride of gold, gold(I) chloride ( $AuCl$ ). Chloroauric acid,  $HAuCl_4$ , the product formed when gold dissolves in aqua regia, is sometimes referred to as "gold chloride" or "acid gold trichloride". Gold(III) chloride is very hygroscopic and highly soluble in water as well as ethanol. It decomposes above  $160^\circ C$  or in light.



**APS**  
**<100nm**

**PURITY**  
**99.9%**



### Packing Sizes:

25Gms, 50Gms, 100Gms, 500Gms & Bulk Orders



Follow us:



| [www.nanoshel.com](http://www.nanoshel.com) | [sales@nanoshel.com](mailto:sales@nanoshel.com)

### INTELLIGENT MATERIALS PVT LTD

Derabassi  
Punjab (140507)  
INDIA

+91 9779 550077, 9779238252

# $AuCl_3$

**CAS**  
**27988-77-8**

**NS6130-12-000660**

## Quick Facts

Product	: Gold III Chloride Hydrate
Stock No	: NS6130-12-000660
CAS	: 27988-77-8
Form	: Powder

## TECHNICAL Specification

APS	: <100nm
Purity	: 99.9%
Molecular Weight	: 184.0625 g/mol
Density	: 2.75 g/cm <sup>3</sup>
Melting Point	: 575 °C

## APPLICATIONS

- ✓ Used as a catalyst for polymer synthesis
- ✓ Used in the cationic polymerization reactions as photo initiators.
- ✓ Pharmaceutical application



202ICE4589C



18ZAZ01274G



202ICE4588M

ISO 9001:2015  
CERTIFIED COMPANY

### NANOSHEL UK LIMITED

Chapel House,  
Chapel St Cheshire,  
CW12 4AB United Kingdom

+44 (0) 74 105 488, +44 203 137 5187

**NANOSHEL LLC**  
3422 Old Capitol Suit  
1305 Wilmington DE - 19808  
United States

+1 646 470 4911