

No. 35A-23 TlTiOAsO₄, Thallium titanyl arsenate (TTA)
 ($M = 407.18$)

1b	Orthorhombic, $\text{Pna}2_1\text{--C}_{2v}^9$ at RT.	86EIB
	$\rho = 5.70(2) \cdot 10^3 \text{ kg m}^{-3}$; $\rho_x = 5.71(1) \cdot 10^3 \text{ kg m}^{-3}$.	86EIB
	Transparent and colorless.	86EIB
2a	Sample preparation: solid-state reaction at 900 °C.	86EIB
3a	Unit cell parameters: $a = 13.208(8) \text{ Å}$, $b = 6.686(5) \text{ Å}$, $c = 10.724(7) \text{ Å}$, $V = 947(2) \text{ Å}^3$.	86EIB
b	$Z = 8$.	86EIB
9e	Nonlinear optical properties: $I_{2\omega}/I_{2\omega}(\text{KDP}) = 1$ at $\lambda = 1.064 \text{ μm}$.	86EIB