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Certified Company

Speciality Products Research Group

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TECHNICAL DATA SHEET

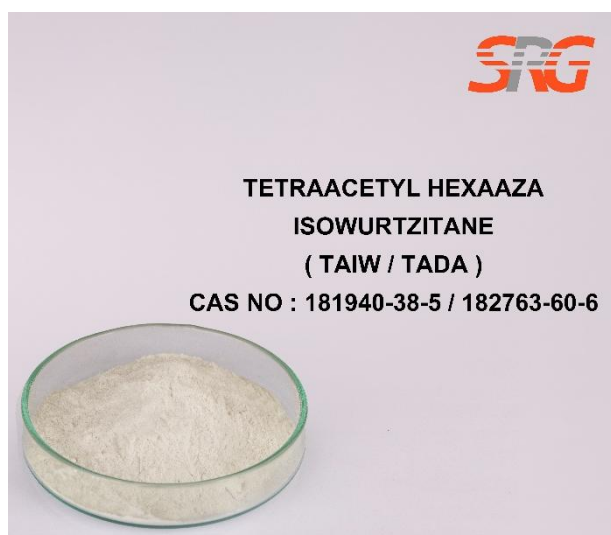
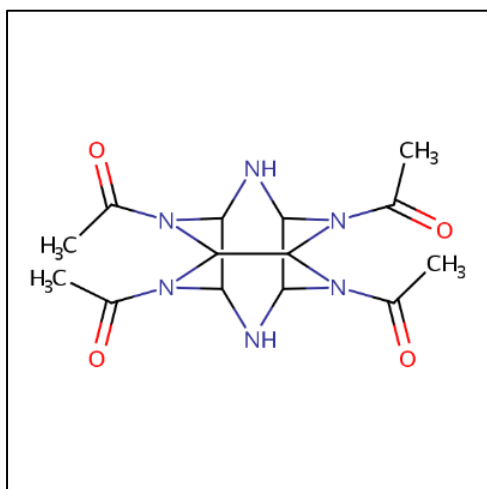
2,6,8,12-Tetraacetyl-2,4,6,8,10,12- Hexaazaisowurtzitane (TADA/TAIW)

Tetraacetyldiamino Hexaazaisowurtzitane (TAIW/TADA) is an intermediate precursor used in the synthesis CL-20 (aka Hexanitrohexaazaisowurtzitane or HNIW.) TADA-based CL-20 co-crystal exhibits low sensitivity to shock and temperature, making it compliant with IM (Insensitive Munitions) requirements.

Synonyms:	2,6,8,12-tetraacetyl-2,4,6,8,10,12-hexaazatetracyclo] dodecane
CAS No.:	181940-38-5 / 182763-60-6
Molecular Formula:	C ₁₄ H ₂₀ N ₆ O ₄
Avg Mass:	336.346 g/mol
IUPAC Name:	1-(6,8,12-triacetyl-2,4,6,8,10,12-hexazatetracyclododecan-2-yl)ethanone

SPECIFICATIONS FOR TADA

Sr No	Properties	Specification Limits
1.	Appearance	Off white crystalline powder free from grit/particles
2.	Water content % by KF	0.1% max
3.	Melting Point, °C, heating rate 10°C/min in N ₂	290 min
4.	Solubility	Soluble in water
5.	Purity by HPLC	95 - 98% min



For Speciality Products Research Group

Proprietor



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