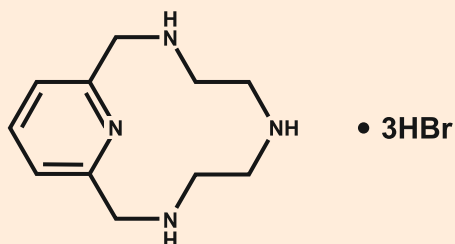




PYCLEN TRIHYDROBROMIDE

1. STRUCTURE



2. PRODUCT NAME & DETAILS

3,6,9,15-Tetraazabicyclo[9.3.1]pentadeca-1(15), 11,13-triene, Trihydrobromide

Product Code	: 010995
CAS No.	: 189757-45-7
HS Code	: 2933.39.90
Molecular formula	: C ₁₁ H ₂₁ Br ₃ N ₄
Molecular weight	: 449.03

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
Pyclen 3-HBr	3,6,9,15-Tetraazabicyclo[9.3.1]pentadeca-1(15), 11,13-triene, Trihydrobromide	189757-45-7	--
European Inventory of Existing Commercial Chemical Substances (EINECS)		Not Listed	
EC Inventory		Not Listed	
United States Toxic Substances Control Act (TSCA) Inventory		Not Listed	
China Catalog of Hazardous chemicals 2015		Not Listed	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)		Not Listed	
Korea Existing Chemicals List (KECL)		Not Listed	
Canadian Domestic Substance List (DSL)		Not Listed	
Canadian Non-Domestic Substance List (NDSL)		Not Listed	
Japanese Existing and New Chemical Substances Inventory (ENCS)		Not Listed	

4. SPECIFICATION

Physical Appearance	: Off white to pink powder
Solubility	: Soluble in water
Identification (HPLC)	: Identical
Moisture content	: NMT 0.5%
Any other impurity	: NMT 0.3%
Assay Argentometry	: 98 - 102%
Purity (HPLC)	: NLT 98%

Disclaimer

Typical properties should not be considered as specification.
Product covered by valid patents are not offered or supplied for commercial use. The Patent position should be verified by the customer.
Products will not be supplied to countries where they could be in conflict with existing patents.
Products currently covered by valid US patents are offered for R&D use in accordance with 35 USC 271 (e) (I)
Above information is given in good faith and without warranty.



PYCLN TRIHYDROBROMIDE

5. APPLICATION

: It is a macrocyclic ligand.

Used as contrast agent in imaging MRI.

Can be Use as an anti-oxidant chelator for disaggregating amyloid by converting pyridine backbone into pyridol backbone. This chelates can be used for Alzheimer's disease

Pyclen Can be used in preparation of nitroimidazole. Nitroimidazole conjugate is suitable for assessment of hypoxia in vivo.

Pyclen based macrocyclic picolinate ligands can be used in radiology.

6. HAZARD CLASSIFICATION

: Hazardous substance. (UN No. 3259)



Irritant



Health Hazard



Corrosive

7. ANNUAL CAPACITY

: 25 MT.

8. STORAGE CONDITION

: Store in closed container in dry area away from direct sun light.

9. PACKING DEATILS

: 25 Kg in corrugated box.

10. SHELF LIFE

: 3 years.

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