



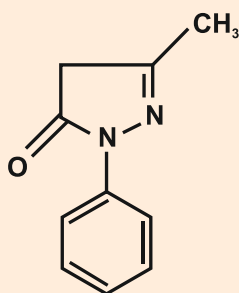
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3-METHYL-1-PHENYL-2-PYRAZOLIN-5-ONE

1. STRUCTURE



2. PRODUCT NAME & DETAILS

3-Methyl-1-phenyl-2-pyrazolin-5-one

Product Code	: 001397
CAS No.	: 89-25-8
HS Code	: 2902.90.90
Molecular formula	: C ₁₀ H ₁₀ N ₂ O
Molecular weight	: 174.20

3. REGULATORY INFORMATION

Chemical name	Common names and synonyms	CAS number	EC number
3-Methyl-1-phenyl-2-pyrazolin-5-one	3-methyl-1-phenyl-5-pyrazolone	89-25-8	201-891-0
European Inventory of Existing Commercial Chemical Substances (EINECS)		Listed	
EC Inventory		Listed	
United States Toxic Substances Control Act (TSCA) Inventory		Listed	
China Catalog of Hazardous chemicals 2015		Not Listed	
Chinese Chemical Inventory of Existing Chemical Substances (China IECSC)		Listed	
Korea Existing Chemicals List (KECL)		Listed	
Canadian Domestic Substance List (DSL)		Listed	
Canadian Non-Domestic Substance List (NDSL)		Not Listed	
Japanese Existing and New Chemical Substances Inventory (ENCS)		Listed	

4. SPECIFICATION

Physical Appearance	: Off White To Yellow Powder
Melting Point	: 126 - 129°C
Moisture Content (KF)	: NMT 0.5%
Purity By HPLC	: NLT 98.5%
Assay (by Titration Non Aqueous)	: NLT 99%

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.



3-METHYL-1-PHENYL-2-PYRAZOLIN-5-ONE

5. APPLICATION

- Used as general industrial fine chemical. Used in dyes and pigment industries.
- It is used as intermediate in API such as Aminopyrine, Antipyrine, Dipyrone, Propyphenazone, Ramifenazone. Which exhibits Analgesic/anti-pyretic/anti-inflammatory therapeutic category.
- **3-Methyl-1-phenyl-2-pyrazoline-5-one may be used:**
 - As a reagent for the detection of reducing carbohydrates by ESI/MALDI-MS.
 - To improve the sensitivity of reducing mono- and oligo-saccharides for their subsequent determination using capillary zone electrophoresis.
 - For the precolumn derivatization of the monosaccharide components of Salvia miltiorrhiza, liguspyragine hydrochloride, and glucose injection prior to their analysis by high performance liquid chromatography (HPLC).

6. HAZARD CLASSIFICATION : Non-Hazardous substance.



Irritant

7. ANNUAL CAPACITY : 25 MT.

8. STORAGE CONDITION : Store in closed container at ambient temperature. Avoid direct sun light.

9. PACKING DETAILS : 15 Kg corrugated box with PE liner Or 300 kg in big bag.

10. SHELF LIFE : 1 year.

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