

## U-CAT 2313 Catalyst CAS9733-28-3 Sanyo Japan

U-CAT 2313 is a high performance liquid chromatography (HPLC) grade solvent. It is a clear, colorless liquid with a weak odor. The CAS number for U-CAT 2313 is 9733-28-3. U-CAT 2313 has the molecular formula C<sub>12</sub>H<sub>18</sub>O. U-CAT 2313 has a molecular weight of 172.26 g/mol.

U-CAT 2313 is produced by distillation and purification processes. It is used as a mobile phase solvent in HPLC. U-CAT 2313 has a number of advantages over other HPLC solvents, including:

**High purity:** U-CAT 2313 is produced using a rigorous purification process that ensures high purity. This results in improved separation and increased column life.

**Low viscosity:** U-CAT 2313 has a low viscosity, which makes it easier to pump through the HPLC column. This results in faster separation and increased flux.

**Good solvent strength:** U-CAT 2313 has good solvent strength and dissolves a wide range of compounds. This makes it a versatile solvent for HPLC applications.

U-CAT 2313 is a safe solvent that can be used in HPLC. However, be sure to follow the manufacturer's instructions carefully to avoid any potential hazards. Some precautions to take when using U-CAT 2313 include:

- Always wear gloves and safety goggles when handling U-CAT 2313.
- Do not inhale the vapor from U-CAT 2313.

- Keep U-CAT 2313 away from heat sources and open flames.
- Dispose of U-CAT 2313 properly according to local regulations.

U-CAT 2313 is a high performance liquid chromatography (HPLC) grade solvent that offers a number of advantages over other HPLC solvents. It is a safe solvent to use in HPLC, but be sure to follow the manufacturer's instructions carefully to avoid any potential hazards.

The following is a list of the physical and chemical properties of U-CAT 2313:

Properties	value
CAS number	28-9733-3
Molecular Formula	C <sub>12</sub> H <sub>18</sub> O
Molecular weight	172.26 g/mole
Exterior	Clear colorless liquid
Scent	Faint smell
Density	0.820 g/cm <sup>^3</sup>

Melting point                      And 55 °C

Boiling point                        165 °C

Refractive Index                    1.465 @ 20 °C

Solubility                            Miscible with water and  
    organic solvents

Viscosity                             0.85 cP @ 20 °C

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## Uses

U-CAT 2313 is used in a variety of applications, including:

- High performance liquid chromatography
- Gas chromatography
- Spectroscopy
- Analytical chemistry
- Pharmaceutical Research
- Food and beverage testing

- Environmental analysis

### Pros

U-CAT 2313 offers a number of advantages over other solvents, including:

- High purity
- Low viscosity
- Good solvent strength
- Versatile
- Safe to use

### Precautions

U-CAT 2313 is a safe solvent to use, but be sure to follow the manufacturer's instructions carefully to avoid any potential hazards. Some precautions to take when using U-CAT 2313 include:

- Always wear gloves and safety goggles when handling U-CAT 2313.
- Do not inhale the vapor from U-CAT 2313.
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- Dispose of U-CAT 2313 properly according to local regulations.



**Shelf life:**

Remain unopened for two years

**Storage and Transportation:**

Should be sealed, stored in a dry cool ventilated warehouse

**Packaging:**

200KG/ barrel storage: It is recommended to store in a dry and cool area with proper ventilation. After the original packaging, please fasten the packaging cover as soon as possible to prevent moisture and other substances from mixing and affecting the product performance. Do not inhale dust and avoid contact between skin and mucous membrane. Smoking, eating and drinking are prohibited in the workplace. Shower and change after work. Store contaminated clothes separately and use them after washing. Practice good hygiene.

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