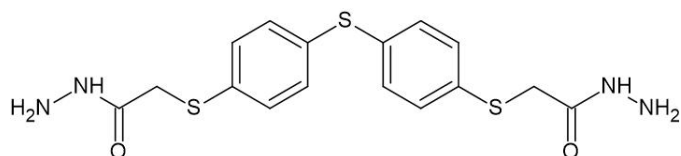


Diphenyl Sulfide-Type Dihydrazide PS-DH

- ◆ Dihydrazide compounds containing sulfur.
- ◆ By polymerizing with aldehyde, it forms high refractive resin with an acylhydrazone bond.
- ◆ High refractive index, transparent, heat-resistance. It is expected to be applied to optical module and device materials such as microlenses and optical waveguides.

General Information



Chemical Name	Acetic acid, 2,2' -[thiobis(4,1-phenylenethio)]bis-, dihydrazide
CAS	143526-85-6
Molecular Weight	394.5
Melting Point	178 °C
Physical Form	White powder

Polymer Properties

Glass Transition Temp.*	T_g 152 °C
Decomposition Temp.*	T_{d1} 302 °C / T_{d5} 324 °C
Refractive Index*	1.74 (Measured at 589nm)

*Polymerization with Isophthalaldehyde (60°C, 3h)

Film curing conditions: 180 °C, 12 h

Contact information