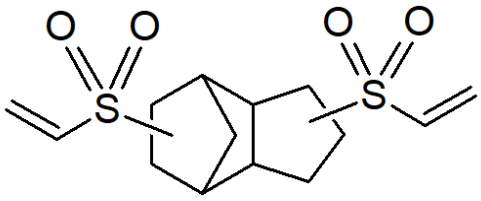
Alicyclic Divinyl Sulfone VSTCD

- VSTCD Featuring a Tricyclodecane Structure
- VSTCD offers a unique combination of properties including high refractive index, high Abbe's number, low moisture absorption, excellent heat resistance and high Tg.
- Its advanced performance makes it highly suitable for optical materials used in sensors, cameras and optical modules.

General Information



Chemical Name	Bis(vinylsulfone)- tricyclo [5.2.1.$0^{2,6}$] decane
CAS	1373211-50-7
Molecular Weight	316.2
Melting Point	100 ～ 140 °C
Physical Form	White Powder
Purity	＞ 99.0

Polymer Properties

Polymer Properties of Polythioether Obtained via Copolymerization with a Thiol Compound (2,5-bis(sulfanylmethyl)-1,4-dithiane, BSMD)

	Refractive Index (589 nm)	Abbe's Number	Tg	$T_{5\%}$
poly(BSMD/VSTCD)	1.623	45.8	113 °C	303°C

*Y. Suzuki, T. Higashihara, S. Ando, M. Ueda, Macromolecules, **45**, 3402(2012)

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