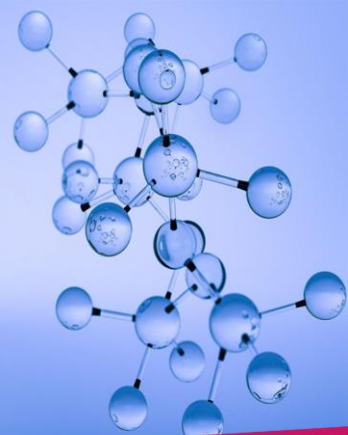
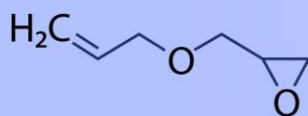


ALLYL GLYCIDYL ETHER



PRODUCT IN FOCUS

EXSYN[®]
ESSENTIAL CHEMISTRY

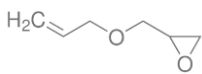
Allyl Glycidyl Ether

INTRODUCTION

Allyl Glycidyl Ether (AGE) is a multifunctional organic intermediate made from epichlorohydrin and allyl chloride and is featured by high functionality and low chlorine content. Since it has an epoxy group and an allyl group, AGE reacts with a wide range of compounds.

MANUFACTURE

The synthesis process includes the ring opening reaction of materials allyl alcohol and epoxy chloropropane under the action of solid acid catalyst to prepare the intermediate allyl chlorohydrin; and the subsequent ring closing reaction with sodium hydroxide to prepare allyl glycidyl ether.

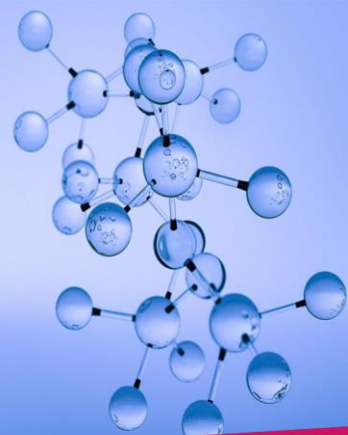
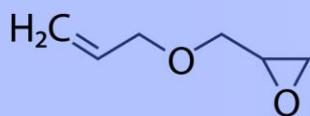
Synonym	2-(prop-2-enoxymethyl) oxirane, Allyl 2,3-epoxypropyl ether
CAS no.	106-92-3
EINECS No	203-442-4
Molecular formula	C ₆ H ₁₀ O ₂
Molecular weight	114.14 g/mol
Structure	

APPLICATIONS

This product has a wide variety of applications:

- ✔ **Pharmaceutical Intermediates** – A variety of active pharmaceutical ingredients (APIs) are, or could be, derived from glycidyl ether intermediates including therapeutic agents known as β -blockers.
- ✔ **Modifier** for elastomers, adhesives, fibers, etc.
- ✔ **Reactive diluent** for epoxies; reactive intermediate for coatings
- ✔ **Sizing / finishing agent** for fiberglass
- ✔ **Silane intermediate** in electronic coatings
- ✔ **Defoamer Comonomer** for polyepichlorohydrin rubber, unsaturated polyester resins, and crosslinked PU elastomers
- ✔ **Curing system additive** in bisphenol A-epichlorohydrin epoxies for food-contact articles
- ✔ **Scavenger / Stabilizer** in chlorinated solvents – used as acid scavengers in chlorinated solvents thereby improving stability.
- ✔ Used in the synthesis of polymeric electrolytes for the **fabrication of lithium batteries**

ALLYL GLYCIDYL ETHER



PRODUCT IN FOCUS



SPECIFICATIONS

Test	Unit	Specifications
Appearance @ 25°C	-	Clear and colorless
Color	APHA	≤ 10
Total Chlorine	ppm	≤ 10
Water content	%	≤ 0.05
Purity	%	Min 99.5

PACKING

190 Kgs UN approved drums

STORAGE

Keep container tightly closed in a dry and well-ventilated place. Keep away from heat and sources of ignition.

REACH Status

AGE offered by ExSyn is registered under EU REACH regulations.

No matter the quantity you need, our exceptional quality and service will make ExSyn your supplier of choice! If you need any additional information or SDS, please contact us.