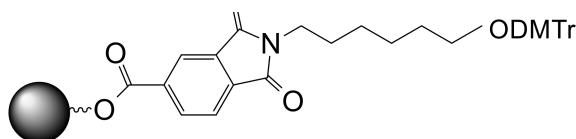


1. Description

Seplife® C6-Phthalimido-OH (HS) Resin is a macroporous polystyrene resin functionalized with C6 Phthalimide groups; it has uniform particle size and active groups distribution. The nitrogen destined to become the 3'-amino group is included in a phthalimide (PT) group which is attached to the support through an ester group connected to the aromatic ring. This simple linkage is very stable to all conditions of oligonucleotide synthesis and contains no chiral center. Using an extended ammonium hydroxide treatment (55°C for 17 hours), the cleavage of the amine from the phthalimide is accomplished along with the deprotection of the oligonucleotide. After deprotection, the primary amine group is separated from the oligonucleotide by a spacer arm with 6 C atoms and can be labeled or attached to a biomolecule.



2. Product Properties

Product	Seplife® C6-Phthalimido-OH resin	Seplife® C6-Phthalimido-OH HS resin
Appearance	Off white or light yellow beads	Off white or light yellow beads
Type	Macroporous resin functionalized with C6-Phthalimido groups	Macroporous resin functionalized with C6-Phthalimido groups
Ligand	C6-Phthalimido	C6-Phthalimido
Matrix	Polystyrene	Polystyrene
Substitution (μmol/g)	125-175 175-225 225-275 275-325 325-375 Customized	325-375 375-425 425-475 Customized

Product Data Sheet
Seplife® C6-Phthalimido-OH Resin

Average Pore Size (nm)	30-60	30-60
Swelling in Toluene (ml/g)	4.0-7.0	5.0-8.0
Dry volume (ml/g)	2.0-3.0	2.0-3.0
Particle size range (micron)	50 - 100	50 - 100
Shipped as	Dry	Dry

3. Storage

Seplife® C6-Phthalimido-OH (HS) Resin that is not for immediate use should be stored in dry form in a closed container at 2-8 °C.

4. Transportation

Avoid sunlight, rain, and heavy pressure during transportation. It is strictly forbidden to transport together with toxic and hazardous materials. Product can be shipped at ambient temperature.

5. Ordering information

Product Name	References	Substitution (μmol/g)
Seplife® C6-Phthalimido-OH Resin	LXSN1-045-56-01	125-175
	LXSN1-045-56-02	175-225
	LXSN1-045-56-03	225-275
	LXSN1-045-56-04	275-325
	LXSN1-045-56-05	325-375
	LXSN1-045-56-06	Customized
Seplife® C6-Phthalimido-OH HS Resin	LXSN3-045-56-350	325-375
	LXSN3-045-56-400	375-425
	LXSN3-045-56-450	425-475
	LXSN3-045-56-***	Customized

***:Substitution, according to the customer's requirement.

Production date: See label

Retest date: 1 year, under proper storage conditions

Manufacturer: Sunresin New Materials Co. Ltd.

Address: No. 135, Jinye Rd, Xi'an Hi-tech Industrial Development Zone, Shaanxi, 710076, China

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