



FSL-CONJ(1Biotin)-SC2-L1 #187786

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1. COMPANY DETAILS

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IDENTIFICATION

2. IDENTIFICATION OF THE MATERIAL

Product Names: FSL-CONJ(1Biotin)-SC2-L1

Other Names: FSL-biotin

Manufacturer's Product Code: 187786 FSL-CONJ(1Biotin)-SC2-L1
187786-2 FSL-CONJ(1Biotin)-SC2-L1 (2 mg)

United Nations Number: None allocated

Dangerous Good Class: None allocated

Hazchem Code: None allocated

Toxic Substances Schedule: Not listed

Uses: To modify the surface of cells, liposomes or virions with biotin.
For *research* use only

3. PHYSICAL DESCRIPTION/PROPERTIES

Appearance: White or pale yellow , non crystalline, lyophilised powder
Odour: Odourless
Boiling Point/Melting Point: Not determined
Specific Gravity: Not determined
Vapour Pressure: Negligible
Flashpoint: Not determined
Flammability Limits: Not determined
Solubility in Water: High – disperses as a clear solution
Reactivity: None known
Incompatibility (materials to avoid): Strong acidic or basic reagents, oxidants, unstable in water
Hazardous Decomposition or By-products: Not determined
Hazardous polymerisation: Will not occur

4. COMPOSITION/INFORMATION ON INGREDIENTS

General Description: FSL-CONJ(1Biotin)-SC2-L1 is comprised of a monomer of biotin (vitamin B7) conjugated to a carboxymethylglycine based linker in turn conjugated to an activated adipate derivative of dioleoylphosphatidylethanolamine .

<i>Name:</i>	MW	CAS number	Brutto formula	Proportion
FSL-CONJ(1Biotin)-SC2-L1	2057.34	1142940-04-2	C91H150N17O32PS	100%
sodium salt	2079.32		C91H149N17NaO32PS	

Note: CAS numbers relate to the “free form”, i.e. the acid, not the salt, of each construct.

HEALTH HAZARD INFORMATION

5. HEALTH EFFECTS

- Routes of Entry:** May enter the body through ingestion, skin and eye contact. If accidentally exposed any symptoms or untoward health effects are unlikely.
- Toxicity:** We are not aware of any toxicity for this product. These constructs and analogues have been intravenously injected into experimental animals and no adverse consequences have been observed.
- Health Hazard:** We are not aware of any reported or unreported health hazards for this product
- Carcinogenicity:** Not listed
- Signs/Symptoms of Exposure:** Unknown
- Medical Conditions Generally Aggravated by Exposure:** Unknown
- Potential Health Hazard:** Substances may not be used as drugs, cosmetics, food additives or household chemicals. For Research Use Only
- Chronic:** None known or expected

6. FIRST AID MEASURES

- Eye:** Flush with water for at least 15 minutes. If symptoms arise seek medical attention.
- Swallowed:** DO NOT INDUCE VOMITING. Wash out mouth with water and give water to drink. If symptoms arise seek medical attention.
- Skin:** Remove contaminated clothing. Wash affected area with soap and water for at least 15 minutes. If symptoms arise seek medical attention.
- Inhaled:** Remove to fresh air. Give oxygen if breathing is difficult and seek medical attention.
- First Aid Facilities:** Ensure water is available at point of use.
- Advice To Doctor:** Treat symptomatically. There is no known or expected toxicity for this substance.

PRECAUTIONS FOR USE

7. EXPOSURE CONTROLS/PERSONAL PROTECTION

- Exposure Standards:** No exposure limits set
- Engineering Controls:** None under normal operating conditions
- Personal Protection:** Wear protective gloves and safety glasses when handling this product. Do not pipette by mouth.
- Precautions for Safe Handling and Use/ Control Measures:** Ventilation – not necessary
No special precautions required
Clean up spills with soap and water
- Flammability:** Combustible

SAFE HANDLING INFORMATION

8. STORAGE AND TRANSPORT

- Classification:** Not classified as a dangerous good
- Store powder below minus 10 degrees C (protected from light).
- Opened product must be stored in a desiccator below minus 10 degrees C.
- Storage:** Product reconstituted in saline/PBS should be kept sterile and stored for no longer than 1 month at 4 degrees C. Stored solutions should be sonicated for 60 seconds before re-use.
- Product reconstituted in water can be stored for no longer than 1 day at 4 degrees C or below.
- Transport:** Transport below 25 degrees C. Can be held at 4 degrees C for up to one month in temporary storage.
- Stability:** Unopened vials are expected to be stable as powder for 2 years at below minus 10 degrees C.
- Opened vials are expected to be stable as powder for >12 months if stored dry (desiccated) and at below minus 10 degrees C.
- Reconstituted solutions (2 mg/ml) are expected to be stable for 24 months if stored at below minus 10 degrees C.
- Product reconstituted in water is unstable
- Stability data is not yet available for storage of reconstituted product in frozen state.
- Subsidiary Risk:** None allocated
- Packing Group:** None allocated
- Hazchem Code:** None allocated

9. SPILLS AND DISPOSAL

- Minor Spills:**
- Wear protective gloves and safety glasses.
 - Soak up spills with absorbent material i.e. paper towels or vermiculite.
 - Place spilled material in clean, dry, sealed container for disposal.
 - Decontaminate area with 1% sodium hypochlorite in water.
- Major Spills:**
- Wear protective gloves and safety glasses.
 - Contain and absorb spills using earth, sand or inert absorbent.
 - Prevent material entering open drains and waterways.
 - Collect residues and seal in labelled drums for disposal.
 - Decontaminate area with 1% sodium hypochlorite in water.
- Disposal:** In accordance with state land and waste management authority. For good environmental practice avoid discharge to waterways.

10. FIRE/EXPLOSION HAZARD

Fire/Explosion Hazard Combustible, not explosive

11. ECOLOGICAL INFORMATION AND DISPOSAL CONSIDERATIONS

Ecotoxicity: None known. Unlikely to be harmful to the environment.
Environmental Fate: Degraded by micro-organisms

12. REGULATORY INFORMATION

Poisons Schedule Number: Not scheduled
Dangerous Good Class: None allocated
Subsidiary Risk: None allocated
Packing Group: None allocated
Hazchem Code: None allocated

13. CONTACT POINT

Further Information: Call +64 9 921 9708 or +64 9 921 9710 during working hours or +64 21 71 5494 after hours

Website Information: Further information is available at www.KODEBiotech.com

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14. DOCUMENT CONTROL

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