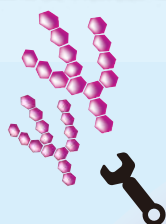


Drug Delivery System (DDS) Products from TCI

TCI offers DDS products, including bioconjugation linkers, functional sugar chains, and fluorescence groups.

Functional sugar chains



Sialylglycopeptide
10mg [S0523]
Disialylnonasaccharide- β -ethylazide
1mg [D4217]

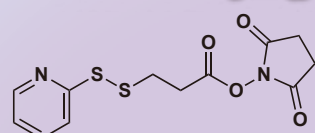
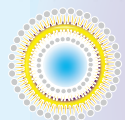
Fluorescent Labels

Fluorescein Isothiocyanate
100m / 1g [F0784]
1-Pyrenebutyric Acid
1g / 5g [P1213]

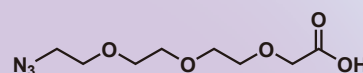


Bioconjugation linkers

Liposomes

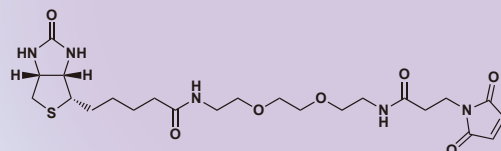


SPDP
250mg / 1g / 5g [S0819]

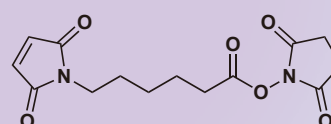


Azido-PEG₃-acetic Acid
1g [A2293]

Proteins



Maleimide-PEG₂-Biotin
50mg [B3174]



EMCS
1g / 5g / 25g [S0428]



Doxorubicin Hydrochloride
25mg / 100mg [D4193]
Paclitaxel
100mg [P1632]

Bioactive substances

Anti-SGPG (HNK-1) Monoclonal Antibody
0.1mg/vial [A2706]



Anti-GM1 Monoclonal Antibody
0.1mg/vial [A2505]



Antibodies

Targeting DDS

- Delivery to target site
- Fluorescence bio-imaging



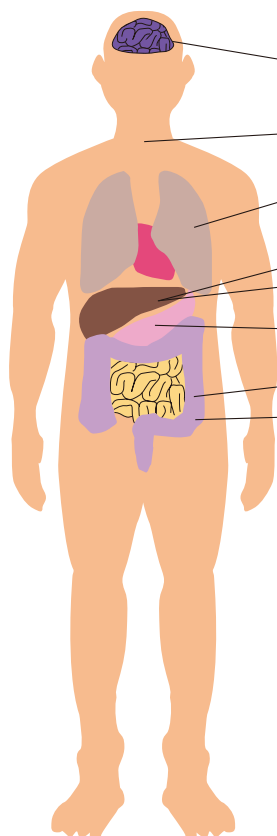
We also do custom synthesis.

We provide many other DDS products in addition to the above-mentioned compounds. We provide your desired combination of compounds primarily through chemical synthesis. By all means, please ask.

Functional Sugar Chains of TCI

Our products are used for target orienting (targeting) DDS that is based on molecule recognition/cell recognition functions associated with sugar chains.

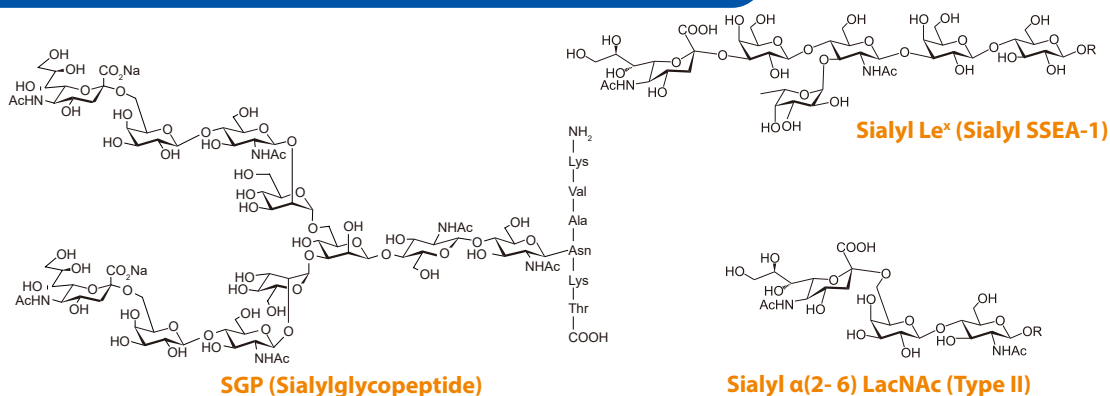
Various functional sugar chains associated with diseases



- Alzheimer's disease: Ganglioside GM1
- Influenza: Sialic acid
- Legionella pneumonia, Chlamydial pneumonia: Mannose
- Cirrhosis: Fucose component sugar chain
- Liver cancer: Fucose component sugar chain
- Helicobacter pylori: α -N-Acetylglucosamine
- Colon cancer: Mucin-type sugar chain
- O157: Globo sugar chain
- Inflammation: Sialyl Lewis X

- Sugar chains of cells recognize different things.
→ We can target cells, depending on the tissue site.
- Cancer cells and normal tissues recognize different things.
→ We can target only cancer.
- Cells with altered cell function recognize different things.
→ We can target only tissues with decreased cell function.

Example of functional sugar chains we can provide.



TCI provides various functional sugar chains associated with cell-cell interaction.

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