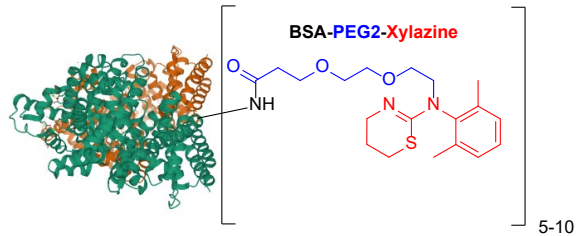


### BSA-PEG2-Xylazine

0.5 mg per tube, lyophilized from PBS buffer  
≥99% conjugates by SEC HPLC

Product Number: **CM52141-500UG**



### Product Description

Xylazine is an approved veterinary medicine used as a sedative with analgesic and muscle relaxant properties. Xylazine is often used in combination with illicit substances such as fentanyl and heroin either to enhance the drug effects or increase the street value by increasing their weight and can be life-threatening. Rapid xylazine test strips, used to detect xylazine in illicit drugs, can help medical professionals and researchers obtain critical information on xylazine exposure. CellMosaic's BSA-PEG2-Xylazine conjugate is designed to be used for various research and detection purposes. Each lot of the conjugate consists of an optimally loaded BSA (5-10 xylazine molecules per BSA molecule as determined by mass spectrometry). The product is sold as 1 vial of 500 µg (CM52141-500UG). For bulk orders, please contact us for a quote.

### Application

Suitable for antibody production and xylazine assay development. Immunization, ELISA, IHC, WB, immunomicroscopy, dot blot, flow cytometry (recommended concentration for assay: 0.01-0.1 µg/mL).

### Key Features

- Stable lyophilized product from PBS buffer pH 7.4, ready to use after reconstitution in water.
- **Not controlled** product, can be purchased, stored, and used without a controlled substance license.
- **Optimal loading** with an average of 5-10 xylazine molecules per BSA for strong binding with low background.
- Amount accurately determined by UV/HPLC.
- **Optimal 9-atom linker** in between xylazine and BSA for better assay performance.

### BSA used to prepare this conjugate is:

- USA origin
- ELISA suitable
- Blood typing suitable
- Microbiological culture suitable
- Heat shock fractionated
- Protease-free
- No detected BT virus
- No detected VSV virus