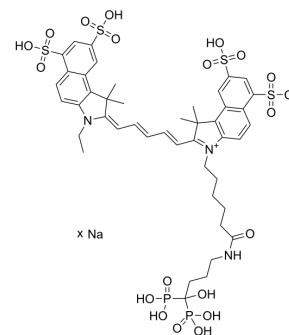


## Sulfo-Cy5.5-ALN

Cat. No.:	HY-D2132
Molecular Formula:	$C_{45}H_{55}N_3O_{20}P_2S_4 \cdot xNa$
Target:	Fluorescent Dye
Pathway:	Others
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



### BIOLOGICAL ACTIVITY

#### Description

Sulfo-Cy5.5-ALN is a fluorescent labeled alendronate, which targets bone. Sulfo-Cy5.5-ALN binds to hydroxyapatite and differentiated osteoblasts in vitro. Sulfo-Cy5.5-ALN selectively binds to the mineralized areas of the tumor. Sulfo-Cy5.5-ALN can be used to detect bone overgrowth in prostate bone metastasis<sup>[1]</sup>.

### REFERENCES

[1]. Damasco JA, et al. Alendronate conjugate for targeted delivery to bone-forming prostate cancer. *Talanta*. 2023 May 1;256:124308.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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