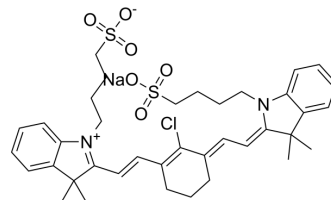


## IR-783

Cat. No.:	HY-139109
CAS No.:	115970-66-6
Molecular Formula:	C <sub>38</sub> H <sub>46</sub> ClN <sub>2</sub> NaO <sub>6</sub> S <sub>2</sub>
Molecular Weight:	749.35
Target:	Fluorescent Dye; Apoptosis
Pathway:	Others; Apoptosis
Storage:	Please store the product under the recommended conditions in the Certificate of Analysis.



## BIOLOGICAL ACTIVITY

### Description

IR-783 (ADS 780WS) is a near-infrared (NIR) heptamethine cyanine fluorescent probe. IR-783 significantly inhibits tumour growth and induces apoptosis in MDA-MB-231 xenograft model. IR-783 can be used to study breast cancer<sup>[1]</sup>.

## REFERENCES

[1]. Tang Q, et al. Dynamin-related protein 1-mediated mitochondrial fission contributes to IR-783-induced apoptosis in human breast cancer cells. *J Cell Mol Med.* 2018 Sep;22(9):4474-4485.

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

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