

# Product Data Sheet



## IF700A NHS ester [Analog to Alexa Fluor™700 SE]

Catalog ID: 151401

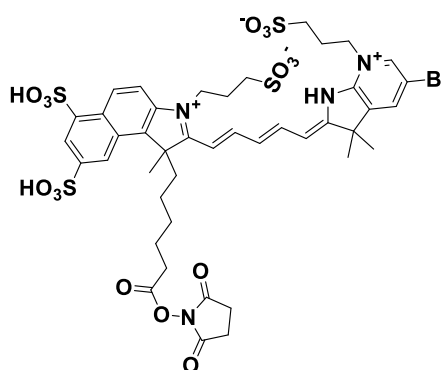
Revised: 2025-01-31

### Description

IF700A is a bright and photostable near-infrared dye whose NHS ester can be used to label proteins, amine-modified oligonucleotides, and other amine-containing primary amines (R-NH<sub>2</sub>). The resulting IF700A conjugate will show brighter fluorescence and higher photostability than conjugates of other spectrally similar fluorophores.

### Chemical Properties

CAS number	NA
Formula	C <sub>43</sub> H <sub>49</sub> BrN <sub>4</sub> O <sub>16</sub> S <sub>4</sub>
Molecular Weight	1086.02
HPLC Purity	≥95%
λ <sub>abs</sub> (nm)	690
ε <sub>max</sub> (M <sup>-1</sup> cm <sup>-1</sup> )	2.2×10 <sup>5</sup>
λ <sub>fl</sub> (nm)	713
CF <sub>260</sub> = ε <sub>260</sub> /ε <sub>max</sub>	NA
CF <sub>280</sub> = ε <sub>280</sub> /ε <sub>max</sub>	NA



### Storage

Upon receipt, store at -20°C in the dark. Protect from light and moisture. When stored as indicated, IF700A NHS ester is stable for at least 1 year.

This product is for Research Use Only. Not for Human or Veterinary or Therapeutic Use

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