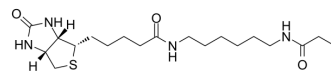


## Iodoacetyl-LC-biotin

Cat. No.:	HY-138065		
CAS No.:	93285-75-7		
Molecular Formula:	C <sub>18</sub> H <sub>31</sub> IN <sub>4</sub> O <sub>3</sub> S		
Molecular Weight:	510.43		
Target:	Apoptosis		
Pathway:	Apoptosis		
Storage:	Powder	-20°C	3 years
		4°C	2 years
	In solvent	-80°C	6 months
		-20°C	1 month



### BIOLOGICAL ACTIVITY

<b>Description</b>	Iodoacetyl-LC-biotin is a biotinylated electrophile probe that can be used to investigate the scope and characteristics of protein covalent binding to subcellular proteomes <sup>[1][2]</sup> .
<b>In Vitro</b>	Iodoacetyl-LC-biotin (IAB) (50-200 μM; 6-24 h) increases LDH leakage in HEK293 cells in a time- and dose-dependant manner [1]. IAB (50-200 μM; 24 h) causes the release of cytochrome c from the mitochondria to the cytosol in HEK293 cells <sup>[1]</sup> . MCE has not independently confirmed the accuracy of these methods. They are for reference only.

### REFERENCES

- [1]. Wong HL, et, al. Mitochondrial protein targets of thiol-reactive electrophiles. *Chem Res Toxicol*. 2008 Apr;21(4):796-804.
- [2]. Davis KA, et, al. Staining of cell surface human CD4 with 2'-F-pyrimidine-containing RNA aptamers for flow cytometry. *Nucleic Acids Res*. 1998 Sep 1;26(17):3915-24.

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

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