

## Certificate of Analysis

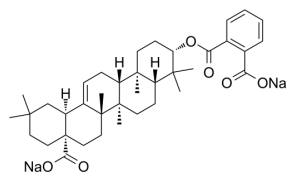
**Product Name:** Oleanolic acid hemiphthalate disodium salt  
**Cat. No.:** HY-128695  
**CAS No.:** 168770-31-8  
**Batch No.:** 46133  
**Chemical Name:** Olean-12-en-28-oic acid, 3-[(2-carboxybenzoyl)oxy]-, sodium salt (1:2), (3 $\beta$ )-

### PHYSICAL AND CHEMICAL PROPERTIES

**Molecular Formula:** C<sub>38</sub>H<sub>50</sub>Na<sub>2</sub>O<sub>6</sub>  
**Molecular Weight:** 648.78  
**Storage:**

|            |       |          |
|------------|-------|----------|
| Powder     | -20°C | 3 years  |
|            | 4°C   | 2 years  |
| In solvent | -80°C | 6 months |
|            | -20°C | 1 month  |

### Chemical Structure:



### ANALYTICAL DATA

**Appearance:** White to off-white (Solid)  
**<sup>1</sup>H NMR Spectrum:** Consistent with structure  
**Purity (HPLC):** 98.05%  
**Conclusion:** The product has been tested and complies with the given specifications.

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

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