

Supporting Information for  
**Design, Synthesis, and Biological Evaluation of Biotin-Conjugates of  
2-Cyano-3,12-dioxoleana-1,9(11)-dien-28-oic Acid (CDDO)  
for the Isolation of the Protein Targets**

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**Elemental Analyses**

**2-Cyano-N-[6-(*{5-[*(3aS,4S,6aR)-2-oxohexahydro-1*H-thieno[3,4-*d]imidazol-4-yl]pentanoyl}amino)hexyl]-3,12-dioxoleana-1,9(11)-dien-28-amide (4).******

Anal. Calcd for C<sub>47</sub>H<sub>69</sub>N<sub>5</sub>O<sub>5</sub>S·5/4H<sub>2</sub>O: C, 67.31; H, 8.59; N, 8.35; S, 3.82. Found: C, 67.00; H, 8.46; N, 8.50; S, 3.79.

**2-Cyano-N-{3-[6-(*{5-[*(3aS,4S,6aR)-2-oxohexahydro-1*H-thieno[3,4-*d]imidazol-4-yl]pentanoyl}amino)hexyl]aminocarbonyl}propyl-3,12-dioxoleana-1,9(11)-dien-28-amide (5).******

Anal. Calcd for C<sub>51</sub>H<sub>76</sub>N<sub>6</sub>O<sub>6</sub>S·5/6CH<sub>2</sub>Cl<sub>2</sub>: C, 64.05; H, 8.05; N, 8.65; S, 3.30. Found: C, 63.80; H, 8.03; N, 8.95; S, 3.08.

**Methyl 2-Cyano-23-[6-(*{5-[*(3aS,4S,6aR)-2-oxohexahydro-1*H-thieno[3,4-*d]imidazol-4-yl]pentanoyl}amino)hexanoyl]oxy-3,12-dioxoleana-1,9(11)-dien-28-oate (6).******

Anal. Calcd for C<sub>48</sub>H<sub>68</sub>N<sub>4</sub>O<sub>8</sub>S·CH<sub>2</sub>Cl<sub>2</sub>: C, 62.21; H, 7.46; N, 5.92; S, 3.39. Found: C, 62.48; H, 7.53; N, 6.09; S, 3.44.

**Methyl 3-Hydroxyimino-12-oxoolean-9(11)-en-28-oate (21).**

Anal. Calcd for  $C_{31}H_{47}NO_4 \cdot 1/4 H_2O$ : C, 74.13; H, 9.53; N, 2.79. Found: C, 73.93; H, 9.49; N, 2.82.

**Methyl 23-Acetoxy-3-acetoxyimino-12-oxoolean-9(11)-en-28-oate (24).**

Anal. Calcd for  $C_{35}H_{51}NO_7$ : C, 70.32; H, 8.60; N, 2.34. Found: C, 70.19; H, 8.64; N, 2.40.

**Methyl 23-Hydroxy-3-hydroxyimino-12-oxoolean-9(11)-en-28-oate (25).**

Anal. Calcd for  $C_{31}H_{47}NO_5$ : C, 72.48; H, 9.22; N, 2.73. Found: C, 72.52; H, 9.30; N, 2.72.

**Methyl 23-Hydroxy-3,12-dioxoolean-9(11)-en-28-oate (26).**

Anal. Calcd for  $C_{31}H_{46}O_5$ : C, 74.66; H, 9.30. Found: C, 74.79; H, 9.41.

**Methyl 2-Cyano-23-hydroxy-3,12-dioxooleana-1,9(11)-dien-28-oate (29).**

Anal. Calcd for  $C_{32}H_{43}NO_5 \cdot 3/4 CH_2Cl_2$ : C, 67.20; H, 7.66; N, 2.39. Found: C, 66.95; H, 7.61; N, 2.40.