Self-Arming Warheads (SAWs) for Antibody-Drug Conjugates (ADC)

**OCR Number:** OCR 6808

**Description:**

- About Self-Arming Warheads (SAWs)
  
  - SAWs caged as stable, inert Ab cargos inactive until endocytosis
  
  - Predicted reduced off-target toxicity:
    
    - activated SAWs are cell-impermeable
  
  - Potent (< 100 nM activity)

- Total synthesis at high efficiency

  - Total synthesis facilitates novel chemistry
  
  - Convergent, high-yielding route to entire framework
  
  - Few chromatographic purifications

  - Highly amenable to SAR

  - Complete synthetic control

  - Readily conjugated
**IP Status:** ADC applications unpublished. Provisional patents filed. Both available under CDA.

**PI:** Seth Herzon

**Licensing Contact:** David Lewin
david.lewin@yale.edu