

# Development of CAR T cell safety system using chemical switch

Korea Research Institute of Chemical Technology (KRICT)



ONCOLOGY	Hit
Product Type	Control system with gene and compound
Indication	CANCER
Target	Universal system
MoA(Mechanism of Action)	CAR degradation by compound→Decreased CAR T cell activity → Reduced side effect of CAR T therapy
Competitiveness	<ol style="list-style-type: none"> <li>1. This system removes CAR using compounds from CAR T cell.</li> <li>2. CAR T cell activity can be modulated with compounds without cytotoxicity.</li> <li>3. This system controls CAR T cell activity in a reversible manner.</li> </ol>
Development Stage	Hit
Route of Administration	PO or IV