1. Staining of target cell with Calcein-AM
2. Pre-treatment of target cells with the SCREEN-WELL® FDA approved drug library
3. Incubation with unstained CD16.176 V:IK-92 cell line and Trastuzumab (anti-HER2)
4. Counting of stained JIMT-1 target cells with Opera Phenix High-Content Analysis equipment
Supplementary Figure S2
Supplementary video S3: JIMT-1 cell killing in ADCC
https://www.dropbox.com/s/igp21zykeyd440/ADCC.mp4?dl=0

Supplementary video S4: ADCC in the presence of sunitinib
https://www.dropbox.com/s/sjtsakoiwkzi4tb/sunitinib%20ADCC.mp4?dl=0
Supplementary Figure S5

A

CTL

DMSO

SUN

B

Cell count

G2
S (#)
G0/G1 (*)

n=3

4 hrs 24 hrs

4 hrs 24 hrs
Supplementary Figure S6

**A**

|       | CTL | DMSO | SUN |
|-------|-----|------|-----|
| 60 kDa |     |      |     |
| 43 kDa |     |      |     |
| After stripping | | | |
| 60 kDa |     |      |     |

- pAkt
- β-actin

**B**

- pAkt/Akt OD

|       | CTL | DMSO | SUN |
|-------|-----|------|-----|
|       |     |      |     |

n=3
**Supplementary Figure S7**

The figure shows a bar graph representing the viability of JMT-1 cells under different pre-treatments. The x-axis lists sample numbers from 1 to 10, each with a pre-treatment condition indicated in the table below.

The table details the pre-treatment conditions for JMT-1 and NK cells:

| Pre-treatment 10μM, 4 hrs | JMT-1 | NK |
|---------------------------|-------|----|
|                           | -     | -  |
|                           | dmso  | dmso |
|                           | sun   | sun |
|                           | -     | sun |
|                           | -     | sun |
|                           | -     | -   |
|                           | -     | dmso |
|                           | -     | dmso |
|                           | -     | sun |
|                           | -     | sun |

The bars are labeled with statistical significance symbols: *** for highly significant differences and n.s. for non-significant differences.