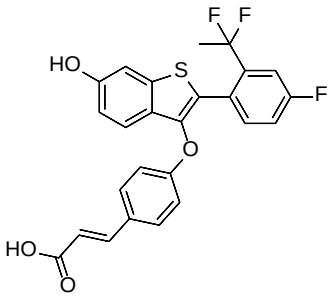
Product data sheet

MedKoo Cat#: 206950 Name: LSZ102 CAS: 2135600-76-7 Chemical Formula: $C_{25}H_{17}F_3O_4S$ Exact Mass: 470.08 Molecular Weight: 470.4622	
Product supplied as:	Powder
Purity (by HPLC):	≥ 98%
Shipping conditions	Ambient temperature
Storage conditions:	Powder: -20°C 3 years; 4°C 2 years.
	In solvent: -80°C 3 months; -20°C 2 weeks.

1. Product description:
LSZ102 is a potent ERα antagonist and degrader. LSZ102 showed ERα degradation IC50 = 0.2 nM. LSZ102 demonstrated IC50 for MCF-7 cells = 1.7 nM. Upon administration of LSZ102, this agent binds to the ER and induces the degradation of the receptor. This prevents ER activation and ER-mediated signaling, and inhibits the growth and survival of ER-expressing cancer cells.

2. CoA, QC data, SDS, and handling instruction
SDS and handling instruction, CoA with copies of QC data (NMR, HPLC and MS analytical spectra) can be downloaded from the product web page under "QC And Documents" section. Note: copies of analytical spectra may not be available if the product is being supplied by MedKoo partners. Whether the product was made by MedKoo or provided by its partners, the quality is 100% guaranteed.

3. Solubility data

Solvent	Max Conc. mg/mL	Max Conc. mM
DMSO	100.0	212.56

4. Stock solution preparation table:

Concentration / Solvent Volume / Mass	1 mg	5 mg	10 mg
1 mM	2.13 mL	10.63 mL	21.26 mL
5 mM	0.43 mL	2.13 mL	4.25 mL
10 mM	0.21 mL	1.06 mL	2.13 mL
50 mM	0.04 mL	0.21 mL	0.43 mL

5. Molarity Calculator, Reconstitution Calculator, Dilution Calculator
Please refer the product web page under section of "Calculator"

6. Recommended literature which reported protocols for in vitro and in vivo study
In vitro study
TBD

In vivo study
TBD

7. Bioactivity
Biological target:
LSZ-102 is a potent, orally bioavailable selective estrogen receptor degrader with an IC_{50} of 0.2 nM.

In vitro activity
TBD

In vivo activity
TBD

Note: The information listed here was extracted from literature. MedKoo has not independently retested and confirmed the accuracy of these methods. Customer should use it just for a reference only.