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## Product Data Sheet

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Product Name: LUT-014  
Cat. No.: GC19507

### Chemical Properties

Cas. No. 2274819-46-2

SMILES FC(F)  
(F)OC1=CC(NC2=NC=CC3=C2C=CC(C)=C3NC4=NC=CC=C4C5=C6C(NC=N6)=NC=N5)=CC=C1

Formula C<sub>27</sub>H<sub>19</sub>F<sub>3</sub>N<sub>8</sub>O M.Wt 528.50

Solubility Soluble in DMSO Storage 4°C, protect from light

General For obtaining a higher solubility , please warm the tube at 37 °C and shake it in the ultrasonic tips bath for a while. Stock solution can be stored below -20°C for several months.

Shipping Evaluation sample solution : ship with blue ice All other available size: ship with RT , or blue ice Condition upon request.

Structure

### Background

LUT014 is a topical B-Raf Inhibitor, a proprietary, first-in-class, small molecule allowing administration of EGFR (Epidermal Growth Factor Receptor) Inhibitors to patients without interruptions caused by typical cutaneous side effects. Leveraging the paradoxical effect of B-Raf Inhibitors, LUT014 decreases dermal toxicities associated with EGFR Inhibitors, thus reducing acneiform lesions associated with such therapy.

**Caution: Product has not been fully validated for medical applications. For research use only.**

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