

Product Data Sheet

Product Name: PHTPP-1304

Cat. No.: GC73960

Chemical Properties

Cas. No. 2410081-60-4

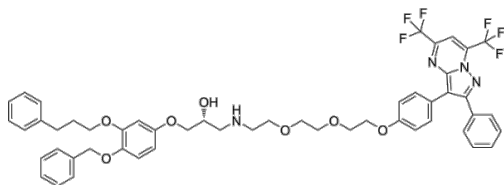
Formula $C_{51}H_{50}F_6N_4O_7$ M.Wt 944.96

Solubility DMSO : 110 mg/mL (116.41 mM; Need ultrasonic) Storage 4°C, protect from light, stored under nitrogen

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

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

Structure



Background

PHTPP-1304 is a PHTPP-based autophagy targeting chimera (AUTOTAC) that induces p62 self-oligomerization and degradation of estrogen receptor ER β (DC50:~2 nM, HEK293T). PHTPP-1304 also induces the formation of p62+ER β + puncta that are affected by autophagic flux in a dose-dependent manner.

References:

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

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[1]. Ji CH, et al. The AUTOTAC chemical biology platform for targeted protein degradation via the autophagy-lysosome system. Nat Commun. 2022 Feb 16;13(1):904. doi: 10.1038/s41467-022-28520-4. Erratum in: Nat Commun. 2022 Apr 12;13(1):2108.

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