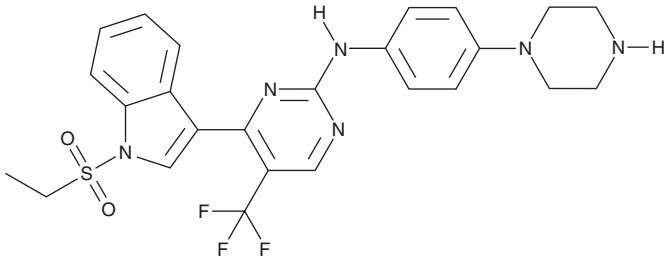
PRODUCT INFORMATION

EGFR Ligand-9

Item No. 45392

CAS Registry No.:	2992670-44-5
Formal Name:	4-[1-(ethylsulfonyl)-1H-indol-3-yl]-N-[4-(1-piperazinyl)phenyl]-5-(trifluoromethyl)-2-pyrimidinamine
Synonym:	Epidermal Growth Factor Receptor Ligand 9
MF:	$C_{25}H_{25}F_3N_6O_2S$
FW:	530.6
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

EGFR ligand-9 is supplied as a solid. A stock solution may be made by dissolving the EGFR ligand-9 in the solvent of choice, which should be purged with an inert gas. EGFR ligand-9 is soluble (≥10 mg/ml) in DMSO and ethanol.

Description

EGFR ligand-9 is an EGFR ligand and a synthetic intermediate.[1] It binds to EGFR containing the C797S mutation ($EGFR^{C797S}$; (K_d = 47.9 nM), which is found in non-small cell lung cancer (NSCLC) and is associated with resistance to kinase inhibitors. EGFR ligand-9 has been used in the synthesis of proteolysis-targeting chimeras (PROTACs), including PROTAC EGFR degrader 9 (Item No. 45393).

Reference

1. Zhu, Y., Ye, X., Wu, Y., *et al*. Design, synthesis, and biological evaluation of novel EGFR PROTACs targeting C797S mutation. *J. Med. Chem.* **67(9)**, 7283-7300 (2024).

WARNING
THIS PRODUCT IS FOR RESEARCH ONLY - NOT FOR HUMAN OR VETERINARY DIAGNOSTIC OR THERAPEUTIC USE.

SAFETY DATA
This material should be considered hazardous until further information becomes available. Do not ingest, inhale, get in eyes, on skin, or on clothing. Wash thoroughly after handling. Before use, the user must review the complete Safety Data Sheet, which has been sent *via* email to your institution.

WARRANTY AND LIMITATION OF REMEDY
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