

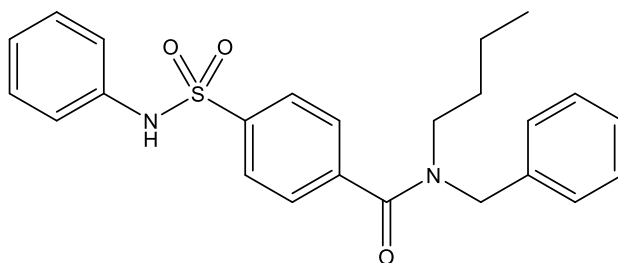
Catalog # 10-4418

TH257

CAS# 2244678-29-1

N-Butyl-4-[(phenylamino)sulfonyl]-N-(phenylmethyl)benzamide; N-Benzyl-N-butyl-4-(phenylsulfamoyl)benzamide

Lot # FBA8236



TH257 is a potent (IC_{50} 's = 238 nM (LIMK1) and 91 nM (LIMK2)) and highly selective (no off-targets against 468 kinases) allosteric inhibitor of LIM kinase 1/2.¹ It inhibited neurite outgrowth in N1E-115 cells in a dose-dependent manner.

- 1) Hanke *et al.* (2022) *Development and Characterization of Type I, Type II, and Type III LIM-Kinase Chemical Probes*; J. Med. Chem. **65** 13264

PHYSICAL DATA

Molecular Weight:	422.54
Molecular Formula:	C ₂₄ H ₂₆ N ₂ O ₃ S
Purity:	>98% by HPLC
	NMR: (Conforms)
Solubility:	DMSO (>25 mg/ml)
Physical Description:	White to off-white glassy solid
Storage and Stability:	Store as supplied at -20°C for up to 1 year from the date of purchase. Solutions in DMSO may be stored at -20°C for up to 1 month.

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