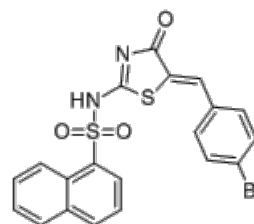


Product Name	: Pitstop 2
Synonyms	: Pitstop-2; Pitstop2
Cat No.	: M11752
CAS Number	: 1419093-54-1
Molecular Formula	: C ₂₀ H ₁₃ BrN ₂ O ₃ S ₂
Formula Weight	: 473.36
Chemical Name	: (Z)-N-(5-(4-bromobenzylidene)-4-oxo-4,5-dihydrothiazol-2-yl)naphthalene-1-sulfonamide
Description	: A small molecule inhibitor of clathrin terminal domain and inhibits clathrin-mediated endocytosis; inhibits endocytosis of transferrin receptor, a CDE cargo protein, but not affect endocytosis of shiga toxin; traps HeLa cells in metaphase through loss of mitotic spindle integrity and activation of the spindle assembly checkpoint, a useful tool for investigating clathrin spindle dynamics.
Pathway	: Others
Target	: Clathrin
Receptor	: Clathrin
Solubility	: —
SMILES	: <chem>C1=CC=C2C(=C1)C=CC=C2S(=O)(=O)N=C3NC(=O)C(=CC4=CC=C(C=C4)Br)S3</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Dutta D, et al. PLoS One. 2012;7(9):e45799. | 2. Smith CM, et al. Mol Cancer. 2013 Jan 17;12:4. | 3. Liashkovich I, et al. Sci Rep. 2015 May 6;5:9994. | 4. Willox AK, et al. Biol Open. 2014 Apr 4;3(5):326-31.