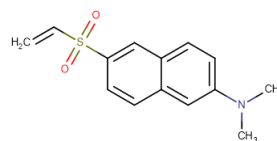


Product Name	: DNS-pE
Synonyms	: PHGDH Fluorescent Probe DNS-pE
Cat No.	: M13501
CAS Number	: 2196245-98-2
Molecular Formula	: C ₁₄ H ₁₅ NO ₂ S
Formula Weight	: 261.34
Chemical Name	: N,N-dimethyl-6-(vinylsulfonyl)naphthalen-2-amine
Description	DNS-pE (PHGDH Fluorescent Probe DNS-pE) is the first small molecule that can selectively label endogenous 3-phosphoglycerate dehydrogenase (PHGDH) from various mammalian cells; is highly fluorescent only upon irreversible covalent modification of PHGDH with an inhibitory property (in vitro K _i =7.4 uM).
Pathway	: Others
Target	: Fluorescent Dye
Receptor	: Fluorescent Dye
Solubility	: —
SMILES	: <chem>O=S(C1=CC2=CC=C(N(C)C)C=C2C=C1)C=C</chem>
Storage	: (-20°C)
Stability	: ≥ 2 years
Reference	:



1. Pan S, et al. Angew Chem Int Ed Engl. 2018 Jan 8;57(2):579-583.