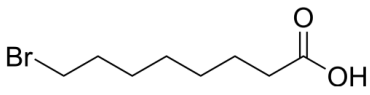
Data Sheet

Product Name:	8-Bromooctanoic acid
Cat. No.:	CS-W007700
CAS No.:	17696-11-6
Molecular Formula:	$C_8H_{15}BrO_2$
Molecular Weight:	223.11
Target:	PROTAC Linkers
Pathway:	PROTAC
Solubility:	10 mM in DMSO



BIOLOGICAL ACTIVITY:

8-Bromooctanoic acid is a **PROTAC linker**, and can be used for synthesis of PROTAC CYP1B1 degrader-2 (HY-158429)[1]. ***In Vitro:*** PROTACs contain two different ligands connected by a linker; one is a ligand for an E3 ubiquitin ligase and the other is for the target protein. PROTACs exploit the intracellular ubiquitin-proteasome system to selectively degrade target proteins.

References:

[1]. Yao X, et al. Development of novel N-aryl-2,4-bithiazole-2-amine-based CYP1B1 degraders for reversing drug resistance. Eur J Med Chem. 2024 Jun 5;272:116488.

CAIndexNames:

Octanoic acid, 8-bromo-

SMILES:

O=C(O)CCCCCCCBr

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