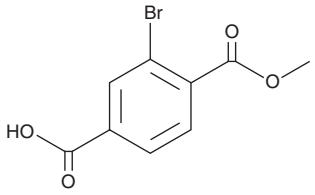
PRODUCT INFORMATION

3-Bromo-4-(methoxycarbonyl)benzoic Acid

Item No. 46457

CAS Registry No.: 264272-63-1
Formal Name: 2-bromo-1,4-benzenedicarboxylic acid, 1-methyl ester
Synonym: 4-(Methoxycarbonyl)-3-bromobenzoic Acid
MF: $C_9H_7BrO_4$
FW: 259.1
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

3-Bromo-4-(methoxycarbonyl)benzoic acid is supplied as a solid. A stock solution may be made by dissolving the 3-bromo-4-(methoxycarbonyl)benzoic acid in the solvent of choice, which should be purged with an inert gas. 3-Bromo-4-(methoxycarbonyl)benzoic acid is soluble (≥10 mg/ml) in ethanol and DMSO.

Description

3-Bromo-4-(methoxycarbonyl)benzoic acid is a synthetic intermediate.[1,2] It has been used in the synthesis of a hemithioindigo compound with histone deacetylase 1 (HDAC1) inhibitory activity and a bexarotene (Item No. 11571) derivative.

References

1. Furmick, J.K., Kaneko, I., Walsh, A.N., *et al*. Modeling, synthesis and biological evaluation of potential retinoid X receptor-selective agonists: Novel halogenated analogues of 4-[1-(3,5,5,8,8-pentamethyl-5,6,7,8-tetrahydro-2-naphthyl)ethynyl]benzoic acid (bexarotene). *ChemMedChem* **7(9)**, 1551-1566 (2012).
2. Josa-Culleré, L., Aira Rodríguez, C., and Llebaria, A. Hemithioindigo-based histone deacetylase inhibitors induce a light-dependent anticancer effect. *Eur. J. Med. Chem.* **279**, 116846 (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
Buyer agrees to purchase the material subject to Cayman's Terms and Conditions. Complete Terms and Conditions including Warranty and Limitation of Liability information can be found on our website.

Copyright Cayman Chemical Company, 09/15/2026

CAYMAN CHEMICAL
1180 EAST ELLSWORTH RD
ANN ARBOR, MI 48108 · USA
PHONE: [800] 364-9897
[734] 971-3335
FAX: [734] 971-3640
CUSTSERV@CAYMANCHEM.COM
WWW.**CAYMANCHEM**.COM