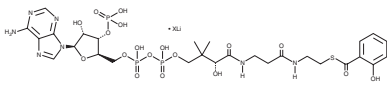
PRODUCT INFORMATION

2-hydroxybenzoyl Coenzyme A (lithium salt)

Item No. 44591

Formal Name:	S-(2-hydroxybenzoate) coenzyme A, lithium salt
Synonyms:	2-hydroxybenzoyl-CoA, *o*-hydroxybenzoyl-CoA, Salicyl-CoA, Salicylic-CoA
MF:	$C_{28}H_{40}N_7O_{18}P_3S \bullet XLi$
FW:	887.6
Purity:	≥95%
Supplied as:	A solid
Storage:	-20°C
Stability:	≥4 years
Item Origin:	Synthetic



Information represents the product specifications. Batch specific analytical results are provided on each certificate of analysis.

Laboratory Procedures

2-hydroxybenzoyl Coenzyme A (2-hydroxybenzoyl-CoA) is supplied as a solid. A stock solution may be made by dissolving the 2-hydroxybenzoyl-CoA in the solvent of choice, which should be purged with an inert gas. 2-hydroxybenzoyl-CoA is sparingly soluble (1-10 mg/ml) in a 1:1 solution of acetonitrile:water.

Description

2-hydroxybenzoyl-CoA is an intermediate in the microbial metabolism of 2-hydroxybenzoic acid (salicylic acid; Item No. 32991).[1] It is a derivative of CoA (Item Nos. 46264 | 21722 | 21499) and 2-hydroxybenzoic acid. 2-hydroxybenzoyl-CoA is formed from 2-hydroxybenzoic acid and CoA by 2-hydroxybenzoate-CoA ligase and subsequently dehydroxylated to form benzoyl-CoA (Item No. 27859) by 2-hydroxyreductase in anaerobic bacteria.

Reference

1. Bonting, C.F. and Fuchs, G. Anaerobic metabolism of 2-hydroxybenzoic acid (salicylic acid) by a denitrifying bacterium. *Arch. Microbiol.* **165(6)**, 402-408 (1996).

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
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