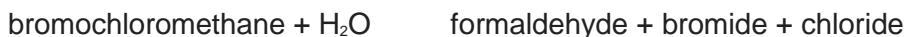


In [enzymology](#), an **alkylhalidase** ([EC 3.8.1.1](#)) is an [enzyme](#) that [catalyzes](#) the [chemical reaction](#)



Thus, the two [substrates](#) of this enzyme are [bromochloromethane](#) and [H₂O](#), whereas its 3 [products](#) are [formaldehyde](#), [bromide](#), and [chloride](#).

This enzyme belongs to the family of [hydrolases](#), specifically those acting on halide bonds in carbon-halide compounds. The [systematic name](#) of this enzyme class is **alkyl-halide halidohydrolase**. Other names in common use include **halogenase**, **haloalkane halidohydrolase**, and **haloalkane dehalogenase**.

alkylhalidase	
Identifiers	
EC no.	3.8.1.1
CAS no.	9025-22-3
Databases	
IntEnz	IntEnz view
BRENDA	BRENDA entry
ExpASy	NiceZyme view
KEGG	KEGG entry
MetaCyc	metabolic pathway
PRIAM	profile
PDB structures	RCSB PDB PDBe PDBsum

[Gene Ontology](#)

[AmiGO / QuickGO](#)