

Zr-fumarate (MOF-801) water-based synthesis

Product Name:	Zr-fumarate
Alternative names	MOF-801, Zirconium(IV) oxo fumarate
Linker name & formula	Fumaric acid, $C_2H_2(COOH)_2$
Catalog no.	400111-25G / 400111-100G / 400111-500G
Product formula:	$Zr_6O_4(OH)_4(C_2H_2(COO)_2)_6$
Country of Origin:	Norway
Appearance (colour)	White
Appearance (form)	Powder
Structure:	Single phase, confirms to Zr-fumarate structure
Surface area (BET)	600 - 900 m^2/g
Net weight options:	25 g / 100 g / 500 g
Price	EUR 450 / 1190 / 5150
Packaging type	Glass vial/Plastic bottle
Thermal stability / decomposition temperature	Decomposition onset: 425 °C in air.
Chemical compatibility	Unstable in aqueous base, pH >7.
Dust hazard note	Do not inhale, work under ventilation, PPE recommended (dust mask, gloves, goggles)