Zr-fumarate / MOF-801

Product Name	Zr-fumarate
Alternative names	MOF-801, Zirconium(IV) oxo fumarate
Linker name & formula	Fumaric acid, $C_2H_2(COOH)_2$
CAS	1355974-78-5
Catalog no.	400111
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
Packaging type	Glass vial/Plastic bottle
Thermal stability / decomposition temperature	300 °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)

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