

Sphingolipidosis|: are group of inherited disorders of sphingolipids and glycolipids due to genetic deficiency of one or more of enzymes involved in degradation of these types of lipids with a range of clinical features.

Disease	Defective Enzyme ^a	Accumulated Intermediate
GM ₁ gangliosidosis	① β -Galactosidase	GM ₁ ganglioside
Tay–Sachs disease	② β -N-Acetylhexosaminidase A	GM ₂ (Tay–Sachs) ganglioside
Fabry’s disease	③ α -Galactosidase A	Trihexosylceramide
Gaucher’s disease	④ β -Glucosidase	Glucosylceramide
Niemann–Pick disease	⑤ Sphingomyelinase	Sphingomyelin
Farber’s lipogranulomatosis	⑥ Ceramidase	Ceramide
Globoid cell leukodystrophy (Krabbe’s disease)	⑦ β -Galactosidase	Galactosylceramide
Metachromatic leukodystrophy	⑧ Arylsulfatase A	3-Sulfogalactosylceramide
Sandhoff disease	⑨ N-Acetylhexosaminidases A and B	GM ₁ ganglioside and globoside

^aNumbers refer to enzymes shown in Figure 19.16.