XTT

XTT (2,3-Bis-(2-Methoxy-4-nitro-5-sulfophenyl)-2H-tetrazolium-5-carboxanili disodium salt) is a tetrazolium derivative used widely in cell viability and proliferation testing. The material is readily reduced in viable cells to a highly water-soluble orange colored product (λ= 475 nm).

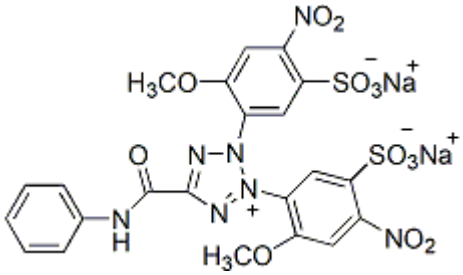
Product attributes

CAS number	111072-31-2

Product Description

XTT (2,3-Bis-(2-Methoxy-4-nitro-5-sulfophenyl)-2H-tetrazolium-5-carboxanilide, disodium salt) is a tetrazolium derivative used widely in cell viability and proliferation testing. The material is readily reduced in viable cells to a highly water-soluble orange colored product (λ= 475 nm). Applications of the reagent include studies of antifungal susceptibility, drug sensitivity of cells, parasitic nematode viability and tumor cell cytotoxicity. Please also see our XTT Cell Proliferation Assay Kit.

- Pale yellow solid soluble in water
- Store desiccated at 4 °C
- $C_{22}H_{12}N_7NaO_{13}S_2$
- MW: 675
- [111072-31-2]



References

1. European Journal of Pharmacology (2010) doi:10.1016/j.ejphar.2010.06.029

2. Toxicology in Vitro (2009) doi:10.1016/j.tiv.2009.07.01

3. Parasitology 107, 175 (1993).

4. J Immunol Meth 147, 153 (1992).

5. Antimicrob Agents Chemother 36, 1619 (1992).

6. Cancer Res 48, 4827 (1988).