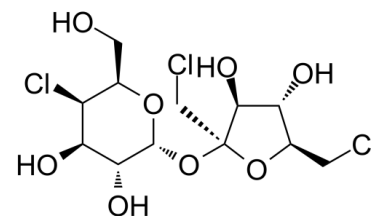


## Data Sheet

<b>Product Name:</b>	Sucralose
<b>Cat. No.:</b>	CS-8130
<b>CAS No.:</b>	56038-13-2
<b>Molecular Formula:</b>	C <sub>12</sub> H <sub>19</sub> Cl <sub>3</sub> O <sub>8</sub>
<b>Molecular Weight:</b>	397.63
<b>Target:</b>	Others
<b>Pathway:</b>	Others
<b>Solubility:</b>	H <sub>2</sub> O : 53.3 mg/mL (134.04 mM; Need ultrasonic and warming)



### BIOLOGICAL ACTIVITY:

Sucralose is an intense organochlorine artificial sweetener. **In Vivo:** The results show that Sucralose induces significant increased incidence of all hematopoietic neoplasias in male mice exposed to 2,000 ( $p \leq 0.01$ ), and 16,000 ppm ( $p \leq 0.01$ ), with a significant dose-related relationship ( $p \leq 0.01$ ). Microscopically, most of the neoplasias among male mice treated with Sucralose at 2,000 to 16,000 ppm are leukemias involving lungs, liver, spleen, lymph nodes, and bone marrow with diffuse permeation of vessels and extensive infiltration of adjacent tissues<sup>[1]</sup>.

### PROTOCOL (Extracted from published papers and Only for reference)

**Animal Administration:** <sup>[1]</sup>Sucralose is pulverized in a standard pelleted diet at concentrations 0, 500, 2,000, 8,000, and 16,000 ppm and is administered to five groups of male (n=117, 114, 90, 66, and 70, respectively) and five groups female (n=102, 105, 60, 65, and 64, respectively) Swiss mice from the 12th day of fetal life until death<sup>[1]</sup>.

### References:

[1]. M S, et al. Sucralose administered in feed, beginning prenatally through lifespan, induces hematopoietic neoplasias in male swiss mice. Int J Occup Environ Health. 2016 Jan;22(1):7-17.

### CAIndexNames:

$\alpha$ -D-Galactopyranoside, 1,6-dichloro-1,6-dideoxy- $\beta$ -D-fructofuranosyl 4-chloro-4-deoxy-

### SMILES:

C1C[C@]1(O[C@H](CCl)[C@@H](O)[C@@H]1O)O[C@H]([C@@H]([C@@H](O)[C@H]2Cl)O)O[C@@H]2CO

**Caution: Product has not been fully validated for medical applications. For research use only.**

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