

-biphenyls, nitroso, azoxy, and aflatoxin-like substances are not evaluated in TTC.

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¹The bar charts show standardized assay profiles. Each bar represents a closely related assay group.

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For simplicity, genetic toxicity is presented as an example. Listed are the various sources of

Structure-based similarity

Many fingerprint similarities are compared including Morgan and ToxPrint. The latter was used to calculate AQ.

Properties-based similarity (13)

- Size, interfacial, shape,
- Quantum mechanical to capture chemical reactivity
- Genetic toxicity Experimental data
- Ames assay, in vitro chromosome aberration, and micronucleus data are combined by DST.
- Genetic toxicity In silico data
- ToxGPS Ames results are shown as an example
- QSAR and Rule-base outcomes are combined.
- The genetic toxicity outcome of 1-Octene-3-ol (amylvinyl carbinol) can be read across from three analogues. The combined Read-Across Reliability was very high (>99%). The RAX outcome indicates the target is expected to be NEGATIVE for genetic toxicity.

ine Disruption ning Assays ¹	Skin Sensitization
CMS-2195	 LLNA: GHS 1B; EC3=4.9 % (w/v) [CT; ECHA]
CMS-4400	 LLNA: weak sensitizer [Master Table] RIPT : negative [BASF] Human maximation: negative [BASF, RIFM] Human: Positive [BASF]
CMS-7321	 In vitro: GHS 1B by DPRA, KeratinoSense [ECHA] In vitro: Category 1B by ARE-Nrf2 Luciferase Test [ECHA]
MS-6748	 LLNA GHS 1B; EC3 pf 6.3% (w/v) [BASF]

Human HRIPT NEG; Human POS [BASF]

*The selection of analogues was limited to the constituents found in the perilla extract.